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1.3 dgryski-go-rendezvous 0.0.0-20200823014737-9f7001d12a5f

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1.8 alpine-keys 2.4-r1

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1.9 backoff 3.2.2

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1.10 mitchellh-mapstructure 1.5.0

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1.11 go-zookeeper 0.0.0-20201211165307-7117e9ea2414

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1.12 go-colorable 0.1.13

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1.13 github.com/viney-shih/go-lock 1.1.2

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1.14 viney-shih-go-lock 1.1.2

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1.15 hashicorp-serf 0.10.1

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1.18 gogo-protobuf 1.3.2

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1.21 cenkalti-backoff-v3 3.2.2

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1.23 pax-utils 1.3.7-r2

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Petr Skocik
Pierre Carrier
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Rich Felker
Richard Pennington
Ryan Fairfax
Samuel Holland
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Shiz
sin
Solar Designer
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1.26 openssl 3.0.12

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The hypothetical commands `show w' and `show c' should show the
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necessary. Here a sample; alter
the names:

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.27 alpine-baselayout 3.4.3-r2

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```
# Automatically generated by apkbuild-cpan, template 3
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=9
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
buildidir="$srcdir/${_pkgreal}-${pkgver}"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
    BSD-Resource-1.2911.tar.gz
"

# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.2.0
```



```

pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}"

build() {
    gpep517 build-wheel \
        --wheel-dir .dist \
        --output-fd 3 3>&1 >&2
}

check() {
    python3 -m venv --clear --without-pip --system-site-packages .testenv
    .testenv/bin/python3 -m installer .dist/*.whl
    .testenv/bin/python3 -m pytest
}

package() {
    python3 -m installer -d "$pkgdir" \
        .dist/*.whl
}

sha512sums="
7be7ebab1d980063ab846a228c5247570d0e23ed52f4362ef7d88eb7a59274e6f74653b4e9cff8225597693087d750c5
bf7fcf604440d8d3d2976ebcd7442c24
    license-expression-30.2.0.tar.gz
"

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

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The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:

"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95

<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>

Maintainer: Jakub Panek <me@panekj.dev>

pkgname=cargo-license

pkgver=0.5.1

pkgrel=4

pkgdesc="Cargo subcommand to see license of dependencies"

url="https://github.com/onur/cargo-license"

arch="all !s390x !riscv64" # rust

license="MIT"

makedepends="cargo cargo-auditable"

source="\$pkgname-\$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/\$pkgver/download"

```
prepare() {  
    default_prepare
```

```
    cargo fetch --target="$CTARGET" --locked  
}
```

```
build() {  
    cargo auditable build --release --frozen  
}
```

```
check() {  
    cargo test --frozen  
}
```

```
package() {  
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin  
}
```

```
sha512sums="  
4d8d430df91c6aac53d2305d3125eae492324e85c4db29d33d452b3848f33a55088e71247c6c72c6a62f4e924a374a  
115bf14b4f398e7950b9eb52415f2244 cargo-license-0.5.1.tar.gz
```

```

"
# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
    # some GNU autoconf options are ignored, but it works
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        --sysconfdir=/etc \
        --mandir=/usr/share/man \
        --localstatedir=/var/lib # it really shouldn't be in /var
    make
}

package() {
    make DESTDIR="$pkgdir" install
    install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="
aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
    bsd-games-3.3.tar.gz
"

# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"

```

```

source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdft rdfturtle rdfxml template text"

for type in $_types; do
    subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in "$builddir"/text/*.txt; do
        local license=${i##*/}
        echo
        ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db
7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz
"

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```

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<http://www.geocities.com/SiliconValley/Campus/8645/index.html>

<http://members.nbci.com/silicon39/>

<http://www.mp3.com/silicon39>

<https://analoguesque.x10host.com/>

Contributor: Fabian Affolter <fabian@affolter-engineering.ch>

Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>

pkgname=py3-flake8-copyright

_pkgname=flake8-copyright

pkgver=0.2.4

pkgrel=1

pkgdesc="Extension for flake8 which checks for copyrights"

options="!check" # No testsuite

url="https://github.com/savoirfairelinux/flake8-copyright"

arch="noarch"

license="MIT"

depends="py3-flake8 py3-setuptools"

subpackages="\$pkgname-pyc"

source="https://files.pythonhosted.org/packages/source/\${_pkgname:0:1}/\${_pkgname}/\${_pkgname}-\${pkgver}.tar.gz"

builddir="\$srcdir"/\$_pkgname-\$pkgver

replaces="py-flake8-copyright" # Backwards compatibility

```

provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --skip-build --root="$pkgdir"
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d flake8-copyright-0.2.4.tar.gz
"

# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=8
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/"
arch="all"
options="!check" # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-$pkgver.tar.bz2
"

builddir="$srcdir"/libart-lgpl-$pkgver

prepare() {
    update_config_sub
    default_prepare
}

build() {
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr
    make
}

package() {
    make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e7
6654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"

```

mini_sendmail - accept email on behalf of real sendmail

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1.28 musl-utils 1.2.4_git20230717-r4

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1.29 coreos-semver 0.3.1

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1.30 zlib 1.3.1-r0

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1.31 zlib 1.2.13

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jloup@gzip.org	madler@alumni.caltech.edu

1.32 busybox 1.36.1-r19

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of
Vice

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1.34 alpine-baselayout-data 3.4.3-r2

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```
# Automatically generated by apkbuild-cpan, template 3
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Celeste <cielesti@protonmail.com>
pkgname=perl-bsd-resource
#_pkgreal is used by apkbuild-cpan to find modules at MetaCpan
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=9
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource/"
arch="all"
license="Artistic-2.0 OR LGPL-2.0"
depends="perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/BSD-Resource-$pkgver.tar.gz"
buildid="$srcdir/${_pkgreal}-${pkgver}"

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl -I. Makefile.PL INSTALLDIRS=vendor
    make
}

check() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make test
}

package() {
```

```

make DESTDIR="$pkgdir" install
find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="
d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16dfa5417f663b
8065ba65f4fea16dc9262728b3b6b85
  BSD-Resource-1.2911.tar.gz
"

# Contributor: Dhruvin Gandhi <contact@dhruvin.dev>
# Maintainer: Patrycja Rosa <alpine@ptrcnull.me>
pkgname=py3-license-expression
_pkgname=license-expression
pkgver=30.2.0
pkgrel=0
pkgdesc="Library to parse, compare, simplify and normalize license expressions"
url="https://github.com/nexB/license-expression"
arch="noarch"
license="Apache-2.0"
depends="python3 py3-boolean.py"
makedepends="py3-setuptools py3-setuptools_scm py3-gpep517 py3-wheel"
checkdepends="py3-pytest py3-pytest-xdist"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/l/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
buildid="$srcdir/${_pkgname}-${pkgver}"

build() {
  gpep517 build-wheel \
    --wheel-dir .dist \
    --output-fd 3 3>&1 >&2
}

check() {
  python3 -m venv --clear --without-pip --system-site-packages .testenv
  .testenv/bin/python3 -m installer .dist/*.whl
  .testenv/bin/python3 -m pytest
}

package() {
  python3 -m installer -d "$pkgdir" \
    .dist/*.whl
}

sha512sums="
7be7ebab1d980063ab846a228c5247570d0e23ed52f4362ef7d88eb7a59274e6f74653b4e9cff8225597693087d750c5
bf7fcf604440d8d3d2976ebcd7442c24
  license-expression-30.2.0.tar.gz
"

```

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The Kohonen neural network code for color optimization was written by Anthony Dekker.

Parts Copyright (c) 1995 by C. Blanc and C. Schlick
The X-Spline code was written Carole Blanc (blanc@labri.u-bordeaux.fr) and Christophe Schlick (schlick@labri.u-bordeaux.fr) starting from an initial implementation done by C. Feuille, S. Grosbois, L. Maziere and L. Minihot as a student practice (Universite Bordeaux, France). For additional information about X-splines, see:
"X-Splines: A Spline Model Designed for the End User" by C. Blanc and C. Schlick, Proceedings of SIGGRAPH'95
<http://dept-info.labri.u-bordeaux.fr/~schlick/DOC/sig1.html>
Maintainer: Jakub Panek <me@panekj.dev>
pkgname=cargo-license
pkgver=0.5.1
pkgrel=4
pkgdesc="Cargo subcommand to see license of dependencies"
url="https://github.com/onur/cargo-license"
arch="all !s390x !riscv64" # rust
license="MIT"
makedepends="cargo cargo-auditable"
source="\$pkgname-\$pkgver.tar.gz::https://crates.io/api/v1/crates/cargo-license/\$pkgver/download"

```
prepare() {  
    default_prepare  
  
    cargo fetch --target="$CTARGET" --locked  
}
```

```
build() {
```

```

cargo auditable build --release --frozen
}

check() {
    cargo test --frozen
}

package() {
    install -Dm755 target/release/cargo-license -t "$pkgdir"/usr/bin
}

sha512sums="
4d8d430df91c6aac53d2305d3125eae492324e85c4db29d33d452b3848f33a55088e71247c6c72c6a62f4e924a374a
115bf14b4f398e7950b9eb52415f2244 cargo-license-0.5.1.tar.gz
"

# Contributor: Maxim Karasev <begs@disroot.org>
# Maintainer: mio <miyopan@e.email>
pkgname=bsd-games
pkgver=3.3
pkgrel=1
pkgdesc="traditional text mode games from BSD"
url="https://bsd-games.sourceforge.io/"
arch="all"
license="BSD-3-Clause"
install="$pkgname.post-install"
makedepends="ncurses-dev coreutils" # configure causes busybox expr error
subpackages="$pkgname-doc"
source="https://sourceforge.net/projects/bsd-games/files/bsd-games-$pkgver.tar.gz"
options="!check" # no tests

build() {
    # some GNU autoconf options are ignored, but it works
    ./configure \
        --build=$CBUILD \
        --host=$CHOST \
        --prefix=/usr \
        --sysconfdir=/etc \
        --mandir=/usr/share/man \
        --localstatedir=/var/lib # it really shouldn't be in /var
    make
}

package() {
    make DESTDIR="$pkgdir" install
    install -Dm644 LICENSE "$pkgdir"/usr/share/licenses/bsd-games/LICENSE
}

sha512sums="

```

```

aaf36d09d4fe68514a5c279063d7e77a9a9a84c447037cba974b29faa07eb80c2aab2379d0699c196b5c27ffe1b2bb2c6
8d3390143e0e62d5e3d210ccfb61294
  bsd-games-3.3.tar.gz
"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.22
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check" # no test suite
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir"/usr/share/spdx
  cp -r "$builddir"/$type "$subpkgdir"/usr/share/spdx/
}

list() {
  pkgdesc="$pkgdesc (licence list)"
  mkdir -p "$subpkgdir"/usr/share/spdx
  local i; for i in "$builddir"/text/*.txt; do
    local license=${i##*/}
    echo
    ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
  done
}

sha512sums="
b213fe66699770d75a4c994a01a5c08325751423516c2fb871088a47e7e7ce605736064f5ce3a63dc1d3c462271832db

```

7bc464ac968df1888f9823787964c786 license-list-data-3.22.tar.gz

"

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<http://www.geocities.com/SiliconValley/Campus/8645/index.html>

<http://members.nbci.com/silicon39/>

<http://www.mp3.com/silicon39>

<https://analoguesque.x10host.com/>

Contributor: Fabian Affolter <fabian@affolter-engineering.ch>

Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>

pkgname=py3-flake8-copyright


```

_pkgname=flake8-copyright
pkgver=0.2.4
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
subpackages="$pkgname-pyc"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=$pkgver-r$pkgrel" # Backwards compatibility

build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --skip-build --root="$pkgdir"
}

sha512sums="
a6ab47e1bb715618f075c51f398e18180404871b3b0faf1c2d30701d5203db6bc23771bf22ffb5bafcd8ee856b9b64237
b316bd503ae7dceed6ca284ccd5a74d flake8-copyright-0.2.4.tar.gz
"

mini_sendmail - accept email on behalf of real sendmail

```

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Maintainer: Natanael Copa <ncopa@alpinelinux.org>

pkgname=libart-lgpl

pkgver=2.3.21

pkgrel=8

pkgdesc="A library for high-performance 2D graphics"

url="https://www.levien.com/libart/"

arch="all"

options="!check" # No test suite.

license="LGPL-2.0-or-later"

subpackages="\$pkgname-dev"

source="https://download.gnome.org/sources/libart-lgpl/2.3/libart-lgpl-\$pkgver.tar.bz2"

"

builddir="\$srcdir"/libart-lgpl-\$pkgver

```
prepare() {  
    update_config_sub  
    default_prepare  
}
```

```
build() {  
    ./configure \  
    --build=$CBUILD \  
    --host=$CHOST \  
    --prefix=/usr  
    make  
}
```

```
package() {  
    make DESTDIR="$pkgdir" install  
}
```

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart-lgpl-2.3.21.tar.bz2"

1.35 golang-lru 1.0.2

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1.36 zap 1.27.0

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1.37 ca-certificates 20240226-r0

1.37.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/env perl
# *****
# *
# *      _ _ _ _ _
# * Project  _||| _\|
# *      / _||| \||
# *      | (| | | _ <| _
# *      \_|\_||| \_\_|
# *
# *
# * Copyright (C) 1998 - 2020, Daniel Stenberg, <daniel@haxx.se>, et al.
# *
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# * This software is distributed on an "AS IS" basis, WITHOUT
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# *
# * *****
# * This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# * It downloads certdata.txt from Mozilla's source tree (see URL below),
# * then parses certdata.txt and extracts CA Root Certificates into PEM format.
```

```

# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#
use Encode;
use Getopt::Std;
use MIME::Base64;
use strict;
use warnings;
use vars qw($opt_b $opt_d $opt_f $opt_h $opt_i $opt_k $opt_l $opt_m $opt_n $opt_p $opt_q $opt_s $opt_t $opt_u
$opt_v $opt_w);
use List::Util;
use Text::Wrap;
use Time::Local;
my $MOD_SHA = "Digest::SHA";
eval "require
$MOD_SHA";
if ($@) {
$MOD_SHA = "Digest::SHA::PurePerl";
eval "require $MOD_SHA";
}
eval "require LWP::UserAgent";

my %urls = (
'nss' =>
'https://hg.mozilla.org/projects/nss/raw-file/default/lib/ckfw/builtins/certdata.txt',
'central' =>
'https://hg.mozilla.org/mozilla-central/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'beta' =>
'https://hg.mozilla.org/releases/mozilla-beta/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'release' =>
'https://hg.mozilla.org/releases/mozilla-release/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
);

$opt_d = 'release';

# If the OpenSSL commandline is not in search path you can configure it here!
my $openssl = 'openssl';

my $version = '1.27';

$opt_w = 76; # default base64 encoded lines length

# default cert types to include in the output (default is to include CAs which may issue SSL server certs)
my $default_mozilla_trust_purposes = "SERVER_AUTH";

```

```

my $default_mozilla_trust_levels
= "TRUSTED_DELEGATOR";
$opt_p = $default_mozilla_trust_purposes . ":" . $default_mozilla_trust_levels;

my @valid_mozilla_trust_purposes = (
    "DIGITAL_SIGNATURE",
    "NON_REPUDIATION",
    "KEY_ENCIPHERMENT",
    "DATA_ENCIPHERMENT",
    "KEY_AGREEMENT",
    "KEY_CERT_SIGN",
    "CRL_SIGN",
    "SERVER_AUTH",
    "CLIENT_AUTH",
    "CODE_SIGNING",
    "EMAIL_PROTECTION",
    "IPSEC_END_SYSTEM",
    "IPSEC_TUNNEL",
    "IPSEC_USER",
    "TIME_STAMPING",
    "STEP_UP_APPROVED"
);

my @valid_mozilla_trust_levels = (
    "TRUSTED_DELEGATOR", # CAs
    "NOT_TRUSTED",      # Don't trust these certs.
    "MUST_VERIFY_TRUST", # This explicitly tells us that it ISN'T a CA but is otherwise ok. In other words, this
                        # should tell the app to ignore any other sources that claim this is a CA.
    "TRUSTED"           # This cert is trusted, but only for itself and not for delegates (i.e. it is not a CA).
);

my $default_signature_algorithms = $opt_s = "MD5";

my @valid_signature_algorithms = (
    "MD5",
    "SHA1",
    "SHA256",
    "SHA384",
    "SHA512"
);

$0 =~ s@.*/\@;
$Getopt::Std::STANDARD_HELP_VERSION = 1;
getopts('bd:fhiklmnp:qs:tuvw:');

if(!defined($opt_d)) {
    # to make plain "-d" use not cause warnings, and actually still work
    $opt_d = 'release';
}

```

```

}

# Use predefined URL or else custom URL specified on command line.
my $url;
if(defined($urls{$opt_d})) {
    $url = $urls{$opt_d};
    if(!$opt_k && $url !~ /^https:\W/i) {
        die "The URL for '$opt_d' is not HTTPS. Use -k to override (insecure).\n";
    }
}
else {
    $url = $opt_d;
}

my $curl = `curl -V`;

if ($opt_i) {
    print ("=" x 78 . "\n");
    print "Script Version      : $version\n";
    print "Perl Version          : $]\n";
    print "Operating System Name    : $^O\n";
    print "Getopt::Std.pm Version    : ${Getopt::Std::VERSION}\n";
    print "Encode::Encoding.pm Version : ${Encode::Encoding::VERSION}\n";
    print "MIME::Base64.pm Version   : ${MIME::Base64::VERSION}\n";
    print "LWP::UserAgent.pm
Version      : ${LWP::UserAgent::VERSION}\n" if($LWP::UserAgent::VERSION);
    print "LWP.pm Version      : ${LWP::VERSION}\n" if($LWP::VERSION);
    print "Digest::SHA.pm Version : ${Digest::SHA::VERSION}\n" if ($Digest::SHA::VERSION);
    print "Digest::SHA::PurePerl.pm Version : ${Digest::SHA::PurePerl::VERSION}\n" if
($Digest::SHA::PurePerl::VERSION);
    print ("=" x 78 . "\n");
}

sub warning_message() {
    if ( $opt_d =~ m/^risk$/i ) { # Long Form Warning and Exit
        print "Warning: Use of this script may pose some risk:\n";
        print "\n";
        print " 1) If you use HTTP URLs they are subject to a man in the middle attack\n";
        print " 2) Default to 'release', but more recent updates may be found in other trees\n";
        print " 3) certdata.txt file format may change, lag time to update this script\n";
        print " 4) Generally unwise to blindly trust CAs without manual review & verification\n";
        print " 5) Mozilla apps use additional security
checks aren't represented in certdata\n";
        print " 6) Use of this script will make a security engineer grind his teeth and\n";
        print "    swear at you. ;) \n";
        exit;
    } else { # Short Form Warning
        print "Warning: Use of this script may pose some risk, -d risk for more details.\n";
    }
}

```

```

}
}

sub HELP_MESSAGE() {
    print "Usage: t${0} [-b] [-d<certdata>] [-f] [-i] [-k] [-l] [-n] [-p<purposes:levels>] [-q] [-s<algorithms>] [-t] [-u] [-v] [-w<l>] [<outputfile>]\n";
    print "\t-b\tbackup an existing version of ca-bundle.crt\n";
    print "\t-d\tspecify Mozilla tree to pull certdata.txt or custom URL\n";
    print "\t\t Valid names are:\n";
    print "\t\t ", join( " ", map { ( $_ =~ m/$opt_d/ ) ? "$_ (default)" : "$_" } sort keys %urls ), "\n";
    print "\t-f\tforce rebuild even if certdata.txt is current\n";
    print "\t-i\tprint version info about used modules\n";
    print "\t-k\tallow URLs other than HTTPS, enable HTTP fallback (insecure)\n";
    print "\t-l\tprint license info about certdata.txt\n";
    print "\t-m\tinclude meta data in output\n";
    print "\t-n\tno download of certdata.txt (to use existing)\n";
    print wrap("\t\t", "\t\t", "-p\tlist of Mozilla trust purposes and levels for certificates to include in output. Takes the form of a comma separated list of purposes, a colon, and a comma separated list of levels. (default: $default_mozilla_trust_purposes:$default_mozilla_trust_levels)", "\n");
    print "\t\t Valid purposes are:\n";
    print wrap("\t\t ", "\t\t ", join( " ", "ALL", @valid_mozilla_trust_purposes ), "\n");
    print "\t\t Valid levels are:\n";
    print wrap("\t\t ", "\t\t ", join( " ", "ALL", @valid_mozilla_trust_levels ), "\n");
    print "\t-q\tbe really quiet (no progress output at all)\n";
    print wrap("\t\t", "\t\t", "-s\tcomma separated list of certificate signatures/hashes to output in plain text mode. (default: $default_signature_algorithms)\n");
    print "\t\t Valid signature algorithms are:\n";
    print wrap("\t\t ", "\t\t ", join( " ", "ALL", @valid_signature_algorithms ), "\n");
    print "\t-t\tinclude plain text listing of certificates\n";
    print "\t-u\tunlink (remove) certdata.txt after processing\n";
    print "\t-v\tbe verbose and print out processed CAs\n";
    print "\t-w <l>\twrap base64 output lines after <l> chars (default: ${opt_w})\n";
    exit;
}

sub VERSION_MESSAGE() {
    print "${0} version ${version} running Perl ${}] on ${^O}\n";
}

warning_message() unless ($opt_q || $url =~ m/^(ht|f)tps:/i );
HELP_MESSAGE() if ($opt_h);

sub report($@) {
    my $output = shift;

    print STDERR $output . "\n" unless $opt_q;
}

```

```

}

sub is_in_list($@) {
    my $target = shift;

    return defined(List::Util::first { $target eq $_ } @_);
}

# Parses $param_string as a case insensitive comma separated list with optional whitespace
# validates that only allowed parameters are supplied
sub parse_csv_param($$@) {
    my $description = shift;
    my $param_string = shift;
    my @valid_values = @_;

    my @values = map {
        s/^\s+//; # strip leading spaces
        s/\s+$//; # strip trailing spaces
        uc $_     # return the modified string as upper case
    } split( ',', $param_string );

    # Find all values which are not in the list of valid values or "ALL"
    my @invalid = grep { !is_in_list($_,"ALL",@valid_values) } @values;

    if ( scalar(@invalid) > 0 ) {
        # Tell the user which parameters were invalid and print the standard help message which will exit
        print "Error: Invalid ", $description, scalar(@invalid) == 1 ? " : " : "s: ", join( ", ", map { "\"$_\"" } @invalid ),
        "\n";
        HELP_MESSAGE();
    }

    @values = @valid_values if ( is_in_list("ALL",@values) );

    return @values;
}

sub sha256 {
    my $result;
    if ($Digest::SHA::VERSION || $Digest::SHA::PurePerl::VERSION) {
        open(FILE, $_[0]) or die "Can't open '$_[0]': $!";
        binmode(FILE);
        $result = $MOD_SHA->new(256)->addfile(*FILE)->hexdigest;
        close(FILE);
    } else {
        # Use OpenSSL command if Perl Digest::SHA modules not available
        $result = `"$openssl" dgst -r -sha256 "$_[0]"`;
        $result =~ s/^\s+([0-9a-f]{64}) .+$/1/is;
    }
}

```



```

return $result;
}

sub oldhash {
    my $hash = "";
    open(C, "<$_[0]>" || return 0;
    while(<C>) {
        chomp;
        if($_ =~ /\#\# SHA256: (.*)/) {
            $hash = $1;
            last;
        }
    }
    close(C);
    return $hash;
}

if ( $opt_p !~ m/./ ) {
    print "Error: Mozilla trust identifier list must include both purposes and levels\n";
    HELP_MESSAGE();
}

(my $included_mozilla_trust_purposes_string, my $included_mozilla_trust_levels_string) = split( ':', $opt_p );
my @included_mozilla_trust_purposes = parse_csv_param( "trust purpose",
$included_mozilla_trust_purposes_string, @valid_mozilla_trust_purposes );
my @included_mozilla_trust_levels = parse_csv_param( "trust level", $included_mozilla_trust_levels_string,
@valid_mozilla_trust_levels );

my @included_signature_algorithms = parse_csv_param( "signature algorithm", $opt_s,
@valid_signature_algorithms );

sub should_output_cert(%) {
    my
    %trust_purposes_by_level = @_;

    foreach my $level (@included_mozilla_trust_levels) {
        # for each level we want to output, see if any of our desired purposes are included
        return 1 if ( defined( List::Util::first { is_in_list( $_, @included_mozilla_trust_purposes ) }
@{$trust_purposes_by_level{$level}} ) );
    }

    return 0;
}

my $crt = $ARGV[0] || 'ca-bundle.crt';
(my $txt = $url) =~ s@(.*/|/?.* )@@g;

```

```

my $stdout = $crt eq '-';
my $resp;
my $fetched;

my $oldhash = oldhash($crt);

report "SHA256 of old file: $oldhash";

if(!$opt_n) {
    report "Downloading $txt ...";

    # If we have an HTTPS URL then use curl
    if($url =~ /^https:\/\//i) {
        if($curl) {
            if($curl =~ /^Protocols:.* https( |$)/m) {
                report "Get certdata with curl!";
                my $proto = !$opt_k ? "--proto =https" : "";
                my $quiet = $opt_q ? "-s" : "";
                my @out = `curl -w %{response_code} $proto $quiet -o "$txt" "$url"`;
                if(! $? && @out && $out[0] == 200) {
                    $fetched = 1;
                    report "Downloaded $txt";
                }
            }
            else {
                report "Failed downloading via HTTPS with curl";
                if(-e $txt && !unlink($txt)) {
                    report "Failed to remove '$txt': $!";
                }
            }
        }
        else {
            report "curl lacks https support";
        }
    }
    else {
        report "curl not found";
    }
}

# If nothing was fetched then use LWP
if(!$fetched) {
    if($url =~ /^https:\/\//i) {
        report "Falling back to HTTP";
        $url =~ s/^https:\/\//http:\/\//i;
    }
    if(!$opt_k) {
        report "URLs other than HTTPS are disabled by default, to enable use -k";
        exit 1;
    }
}

```

```

}
report "Get certdata with LWP!";
if(!defined(${LWP::UserAgent::VERSION})) {
    report "LWP is not available (LWP::UserAgent not found)";
    exit 1;
}
my $ua = new LWP::UserAgent(agent => "$0/$version");
$ua->env_proxy();
$response = $ua->mirror($url, $txt);
if($response && $response->code eq '304') {
    report "Not modified";
    exit 0 if -e $crt && !$opt_f;
}
else {
    $fetched = 1;
    report "Downloaded $txt";
}
if(!$response || $response->code !~ /^(?:200|304)$/) {
    report "Unable to download latest data: "
        . ($response? $response->code . ' - ' . $response->message : "LWP failed");
    exit 1 if -e $crt || ! -r $txt;
}
}
}

my $filedate = $response ? $response->last_modified : (stat($txt))[9];
my $datesrc = "as of";
if(!$filedate) {
    # mxr.mozilla.org gave us a time, hg.mozilla.org does not!
    $filedate = time();
    $datesrc="downloaded on";
}

# get the hash from the download file
my $newhash= sha256($txt);

if(!$opt_f && $oldhash eq $newhash) {
    report "Downloaded file identical to previous run's source file. Exiting";
    if($opt_u &&& -e $txt && !unlink($txt)) {
        report "Failed to remove $txt: $!\n";
    }
    exit;
}

report "SHA256 of new file: $newhash";

my $currentdate = scalar gmtime($filedate);

```

```

my $format = $opt_t ? "plain text and " : "";
if( $stdout
) {
    open(CRT, '> -') or die "Couldn't open STDOUT: $!\n";
} else {
    open(CRT, ">$crt.~") or die "Couldn't open $crt.~: $!\n";
}
print CRT <<EOT;
##
## Bundle of CA Root Certificates
##
## Certificate data from Mozilla ${datesrc}: ${currentdate} GMT
##
## This is a bundle of X.509 certificates of public Certificate Authorities
## (CA). These were automatically extracted from Mozilla's root certificates
## file (certdata.txt). This file can be found in the mozilla source tree:
## ${url}
##
## It contains the certificates in ${format}PEM format and therefore
## can be directly used with curl / libcurl / php_curl, or with
## an Apache+mod_ssl webserver for SSL client authentication.
## Just configure this file as the SSLCACertificateFile.
##
## Conversion done with mk-ca-bundle.pl version $version.
## SHA256: $newhash
##

```

EOT

```

report "Processing '$txt' ...";
my $aname;
my $certnum = 0;
my $skipnum = 0;
my $start_of_cert = 0;
my @precert;
my $cka_value;
my $valid = 1;

open(TXT, "$txt")
or die "Couldn't open $txt: $!\n";
while (<TXT>) {
    if (/^.*\*\*\* BEGIN LICENSE BLOCK \*\*\*\*/) {
        print CRT;
        print if ($opt_l);
        while (<TXT>) {
            print CRT;
            print if ($opt_l);
            last if (/^.*\*\*\* END LICENSE BLOCK \*\*\*\*/);
        }
    }
}

```

```

    }
}
elseif(/^# (Issuer|Serial Number|Subject|Not Valid Before|Not Valid After |Fingerprint \|(MD5\)|Fingerprint
\|(SHA1\)):/) {
    push @precert, $_;
    $valid = 1;
    next;
}
elseif(/^#|^\s*$/) {
    undef @precert;
    next;
}
}
chomp;

```

Example:

```

# CKA_NSS_SERVER_DISTRUST_AFTER MULTILINE_OCTAL
# \062\060\060\066\061\067\060\060\060\060\060\060\132
# END

```

```

if (/^CKA_NSS_SERVER_DISTRUST_AFTER (CK_BBOOL CK_FALSE|MULTILINE_OCTAL)/) {
    if ($1 eq "MULTILINE_OCTAL") {
        my @timestamp;
        while (<TXT>) {
            last if (/^END/);
            chomp;
            my @octets = split(/\n/);
            shift @octets;
            for (@octets) {
                push
@timestamp, chr(oct);
            }
        }
        # A trailing Z in the timestamp signifies UTC
        if ($timestamp[12] ne "Z") {
            report "distrust date stamp is not using UTC";
        }
        # Example date: 200617000000Z
        # Means 2020-06-17 00:00:00 UTC
        my $distrustat =
            timegm($timestamp[10] . $timestamp[11], # second
                $timestamp[8] . $timestamp[9], # minute
                $timestamp[6] . $timestamp[7], # hour
                $timestamp[4] . $timestamp[5], # day
                ($timestamp[2] . $timestamp[3]) - 1, # month
                "20" . $timestamp[0] . $timestamp[1]); # year
        if (time >= $distrustat) {
            # not trusted anymore
            $skipnum++;
        }
    }
}

```

```

        report "Skipping: $scaname is not trusted anymore" if ($opt_v);
        $valid = 0;
    }
    else {
        # still trusted
    }
}
next;
}

# this
is a match for the start of a certificate
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE/) {
    $start_of_cert = 1
}
if ($start_of_cert && /^CKA_LABEL UTF8 \"(.*)\"/) {
    $scaname = $1;
}
my %trust_purposes_by_level;
if ($start_of_cert && /^CKA_VALUE MULTILINE_OCTAL/) {
    $cka_value="";
    while (<TXT>) {
        last if (/^END/);
        chomp;
        my @octets = split(/\n/);
        shift @octets;
        for (@octets) {
            $cka_value .= chr(oct);
        }
    }
}
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST/ && $valid) {
    # now scan the trust part to determine how we should trust this cert
    while (<TXT>) {
        last if (/^#/);
        if (/^CKA_TRUST_([A-Z_]+)\s+CK_TRUST\s+CKT_NSS_([A-Z_]+)\s*$/) {
            if ( !is_in_list($1,@valid_mozilla_trust_purposes) ) {
                report "Warning: Unrecognized trust purpose for cert: $scaname. Trust purpose: $1. Trust Level: $2";
            } elsif ( !is_in_list($2,@valid_mozilla_trust_levels) ) {
                report "Warning:
Unrecognized trust level for cert: $scaname. Trust purpose: $1. Trust Level: $2";
            } else {
                push @{$trust_purposes_by_level{$2}}, $1;
            }
        }
    }
}

if ( !should_output_cert(%trust_purposes_by_level) ) {

```

```

$skipnum ++;
report "Skipping: $scaname" if ($opt_v);
} else {
my $data = $sca_value;
$sca_value = "";
my $encoded = MIME::Base64::encode_base64($data, "");
$encoded =~ s/(\{1,$opt_w\})/$1\n/g;
my $pem = "-----BEGIN CERTIFICATE-----\n"
    . $encoded
    . "-----END CERTIFICATE-----\n";
print CRT "\n$scaname\n";
print CRT @precert if($opt_m);
my $maxLength = length(decode('UTF-8', $scaname, Encode::FB_CROAK | Encode::LEAVE_SRC));
if ($opt_t) {
    foreach my $key (keys %trust_purposes_by_level) {
        my $string = $key . ": " . join(" ", @{$trust_purposes_by_level{$key}});
        $maxLength = List::Util::max( length($string), $maxLength
    );
    print CRT $string . "\n";
    }
}
print CRT ("=" x $maxLength . "\n");
if (!$opt_t) {
    print CRT $pem;
} else {
my $pipe = "";
foreach my $hash (@included_signature_algorithms) {
    $pipe = "|$openssl x509 -" . $hash . " -fingerprint -noout -inform PEM";
    if (!$stdout) {
        $pipe .= " >> $crt.~";
        close(CRT) or die "Couldn't close $crt.~: $!";
    }
    open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
    print TMP $pem;
    close(TMP) or die "Couldn't close openssl pipe: $!";
    if (!$stdout) {
        open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
    }
}
$pipe = "|$openssl x509 -text -inform PEM";
if (!$stdout) {
    $pipe .= " >> $crt.~";
    close(CRT) or die "Couldn't close $crt.~: $!";
}
open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
print TMP
$pem;
close(TMP) or die "Couldn't close openssl pipe: $!";

```

```

    if (!$stdout) {
        open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
    }
}
report "Parsing: $scaname" if ($opt_v);
$certnum ++;
$start_of_cert = 0;
}
undef @precert;
}

}
close(TXT) or die "Couldn't close $txt: $!\n";
close(CRT) or die "Couldn't close $crt.~: $!\n";
unless( $stdout ) {
    if ($opt_b && -e $crt) {
        my $bk = 1;
        while (-e "$crt.~${bk}~") {
            $bk++;
        }
        rename $crt, "$crt.~${bk}~" or die "Failed to create backup $crt.~$bk}~: $!\n";
    } elsif( -e $crt ) {
        unlink( $crt ) or die "Failed to remove $crt: $!\n";
    }
    rename "$crt.~", $crt or die "Failed to rename $crt.~ to $crt: $!\n";
}
if($opt_u && -e $txt && !unlink($txt)) {
    report "Failed to remove $txt: $!\n";
}
}
report "Done ($certnum CA certs processed, $skipnum skipped).";

```

Found in path(s):

* /ca-certificates-20230506-tar-bz2/ca-certificates-20230506/mk-ca-bundle.pl

No license file was found, but licenses were detected in source scan.

/* c_rehash.c - Create hash symlinks for certificates

* C implementation based on the original Perl and shell versions

*

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*/

Found in path(s):

* /ca-certificates-20230506-tar-bz2/ca-certificates-20230506/c_rehash.c

1.38 go-uber-org-zap 1.27.0

1.38.1 Available under license :

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1.39 githubcomgolangprotobuf 1.5.4

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1.40 aws-smithy-go 1.20.2

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1.41 x-sync 0.7.0

1.41.1 Available under license :

name: github.com/cloudflare/circl/internal/conv

version: v1.3.7

type: go

summary:

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/internal/conv>

license: other

licenses:

- sources: circl/LICENSE

text: |

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notices: []

name: github.com/go-git/go-git/v5/config

version: v5.12.0

type: go

summary: Package config contains the abstraction of multiple config files

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/config>

license: apache-2.0

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- sources: v5/LICENSE

text: |2

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notices: []

name: github.com/go-git/gcfg/token
version: v1.5.1-0.20230307220236-3a3c6141e376
type: go
summary: Package token defines constants representing the lexical tokens of the gcfg configuration syntax and basic operations on tokens (printing, predicates).
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name: github.com/cloudflare/circl/sign/ed25519

version: v1.3.7

type: go

summary: Package ed25519 implements Ed25519 signature scheme as described in RFC-8032.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/sign/ed25519>

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notices: []

name: github.com/ProtonMail/go-crypto/ocb

version: v1.0.0

type: go

summary: 'Package ocb provides an implementation of the OCB (offset codebook) mode of operation, as described in RFC-7253 of the IRTF and in Rogaway, Bellare, Black and Krovetz - OCB: A BLOCK-CIPHER MODE OF OPERATION FOR EFFICIENT AUTHENTICATED ENCRYPTION (2003).'

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/ocb>

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notices: []

name: golang.org/x/crypto/ssh/knownhosts

version: v0.21.0

type: go

summary: Package knownhosts implements a parser for the OpenSSH known_hosts host key database, and provides utility functions for writing OpenSSH compliant known_hosts files.

homepage: <https://pkg.go.dev/golang.org/x/crypto/ssh/knownhosts>

license: other

licenses:

- sources: crypto/LICENSE

text: |

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- sources: crypto/PATENTS

text: |

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notices: []

name: github.com/google/go-github/v43/github

version: v43.0.0

type: go

summary: Package github provides a client for using the GitHub API.

homepage: <https://pkg.go.dev/github.com/google/go-github/v43/github>

license: bsd-3-clause

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- sources: v43/LICENSE

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notices: []

name: github.com/go-git/go-git/v5/merkletrie/index

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/merkletrie/index>

license: apache-2.0

licenses:

- sources: v5/LICENSE

text: |2

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name: github.com/emirpasic/gods/lists

version: v1.18.1

type: go

summary: Package lists provides an abstract List interface.

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notices: []

name: github.com/ProtonMail/go-crypto/openpgp/ecdh

version: v1.0.0

type: go

summary: Package ecdh implements ECDH encryption, suitable for OpenPGP, as specified in RFC 6637, section 8.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/ecdh>

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notices: []

name: golang.org/x/crypto/openpgp/elgamal

version: v0.21.0

type: go

summary: Package elgamal implements ElGamal encryption, suitable for OpenPGP, as specified in "A Public-Key Cryptosystem and a Signature Scheme Based on Discrete Logarithms," IEEE Transactions on Information Theory, v.

homepage: <https://pkg.go.dev/golang.org/x/crypto/openpgp/elgamal>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/format/index

version: v5.12.0

type: go

summary: Package index implements encoding and decoding of index format files.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/index>

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- sources: v5/README.md

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notices: []

name: github.com/ProtonMail/go-crypto/openpgp/errors

version: v1.0.0

type: go

summary: Package errors contains common error types for the OpenPGP packages.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/errors>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/format/diff

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/diff>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/format/pktline

version: v5.12.0

type: go

summary: Package pktline implements reading payloads form pkt-lines and encoding pkt-lines from payloads.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/pktline>

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name: github.com/go-git/go-git/v5
version: v5.12.0
type: go
summary: A highly extensible git implementation in pure Go.
homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5>
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notices: []

name: golang.org/x/crypto/blowfish

version: v0.21.0

type: go

summary: Package blowfish implements Bruce Schneier's Blowfish encryption algorithm.

homepage: <https://pkg.go.dev/golang.org/x/crypto/blowfish>

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notices: []

name: github.com/spf13/cobra

version: v1.8.0

type: go

summary: Package cobra is a commander providing a simple interface to create powerful modern CLI interfaces.

homepage: <https://pkg.go.dev/github.com/spf13/cobra>

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notices: []

name: github.com/go-git/go-billy/v5/osfs

version: v5.5.0

type: go

summary: Package osfs provides a billy filesystem for the OS.

homepage: https://pkg.go.dev/github.com/go-git/go-billy/v5/osfs

license: apache-2.0

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notices: []

name: github.com/cloudflare/circl/math/fp25519

version: v1.3.7

type: go

summary: Package fp25519 provides prime field arithmetic over GF(2²⁵⁵⁻¹⁹).

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/math/fp25519>

license: other

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name: github.com/go-git/go-git/v5/plumbing/filemode

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/filemode>

license: apache-2.0

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notices: []

name: github.com/go-git/go-git/v5/plumbing/format/idxfile

version: v5.12.0

type: go

summary: Package idxfile implements encoding and decoding of packfile idx files.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/idxfile>

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notices: []

name: golang.org/x/crypto/openpgp

version: v0.21.0

type: go

summary: Package openpgp implements high level operations on OpenPGP messages.

homepage: <https://pkg.go.dev/golang.org/x/crypto/openpgp>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/format/objfile

version: v5.12.0

type: go

summary: Package objfile implements encoding and decoding of object files.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/objfile>

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- sources: v5/README.md

text: Apache License Version 2.0, see [LICENSE](LICENSE)

notices: []

name: github.com/go-git/go-billy/v5

version: v5.5.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-billy/v5>

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notices: []

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//


```

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package github

import (
    "context"
    "fmt"
)

// LicensesService handles communication with the license related
// methods of the GitHub API.
//
// GitHub API docs: https://docs.github.com/en/free-pro-team@latest/rest/reference/licenses/
type LicensesService service

// RepositoryLicense represents the license for a repository.
type RepositoryLicense struct {
    Name *string `json:"name,omitempty"`
    Path *string `json:"path,omitempty"`

    SHA      *string `json:"sha,omitempty"`
    Size     *int    `json:"size,omitempty"`
    URL      *string `json:"url,omitempty"`
    HTMLURL  *string `json:"html_url,omitempty"`
    GitURL   *string `json:"git_url,omitempty"`
    DownloadURL *string `json:"download_url,omitempty"`
    Type     *string `json:"type,omitempty"`
    Content  *string `json:"content,omitempty"`
    Encoding *string `json:"encoding,omitempty"`
    License  *License `json:"license,omitempty"`
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key *string `json:"key,omitempty"`
    Name *string `json:"name,omitempty"`
    URL *string `json:"url,omitempty"`

    SPDXID *string `json:"spdx_id,omitempty"`
    HTMLURL *string `json:"html_url,omitempty"`
    Featured *bool `json:"featured,omitempty"`
    Description *string `json:"description,omitempty"`
}

```

```

Implementation *string `json:"implementation,omitempty"`
Permissions    *[]string `json:"permissions,omitempty"`
Conditions     *[]string `json:"conditions,omitempty"`
Limitations    *[]string `json:"limitations,omitempty"`
Body           *string   `json:"body,omitempty"`
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://docs.github.com/en/free-pro-team@latest/rest/reference/licenses/#list-all-licenses
func
(s *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }

    var licenses []*License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }

    return licenses, resp, nil
}

// Get extended metadata for one license.
//
// GitHub API docs: https://docs.github.com/en/free-pro-team@latest/rest/reference/licenses/#get-a-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)

    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

```

```
}  
---  
name: github.com/go-git/go-git/v5/plumbing/cache  
version: v5.12.0  
type: go  
summary:  
homepage: https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/cache  
license: apache-2.0  
licenses:  
- sources: v5/LICENSE  
text: |2
```

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name: github.com/ProtonMail/go-crypto/openpgp/aes/keywrap

version: v1.0.0

type: go

summary: Package keywrap is an implementation of the RFC 3394 AES key wrapping algorithm.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/aes/keywrap>

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name: github.com/cloudflare/circl/dh/x25519

version: v1.3.7

type: go

summary: Package x25519 provides Diffie-Hellman functions as specified in RFC-7748.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/dh/x25519>

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name: github.com/cloudflare/circl/sign

version: v1.3.7

type: go

summary: Package sign provides unified interfaces for signature schemes.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/sign>

license: other

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notices: []

name: github.com/ProtonMail/go-crypto/openpgp/elgamal

version: v1.0.0

type: go

summary: Package elgamal implements ElGamal encryption, suitable for OpenPGP, as specified in "A Public-Key Cryptosystem and a Signature Scheme Based on Discrete Logarithms,"

IEEE Transactions on Information Theory, v.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/elgamal>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/protocol/packp/sideband

version: v5.12.0

type: go

summary: Package sideband implements a sideband mutiplex/demultiplexer

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/protocol/packp/sideband>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/revlist

version: v5.12.0

type: go

summary: Package revlist provides support to access the ancestors of commits, in a similar way as the git-rev-list command.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/revlist>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/file

version: v5.12.0

type: go

summary: Package file implements the file transport protocol.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/file>

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text: Apache License Version 2.0, see [LICENSE](LICENSE)

notices: []

name: github.com/go-git/go-git/v5/utls/diff

version: v5.12.0

type: go

summary: Package diff implements line oriented diffs, similar to the ancient Unix
diff command.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utls/diff>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/client

version: v5.12.0

type: go

summary: Package client contains helper function to deal with the different client protocols.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/client>

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name: github.com/ProtonMail/go-crypto/internal/byteutil

version: v1.0.0

type: go

summary:

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name: golang.org/x/oauth2/internal

version: v0.19.0

type: go

summary: Package internal contains support packages for oauth2 package.

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name: github.com/ProtonMail/go-crypto/openpgp/eddsa

version: v1.0.0

type: go

summary: Package eddsa implements EdDSA signature, suitable for OpenPGP, as specified in <https://datatracker.ietf.org/doc/html/draft-ietf-openpgp-crypto-refresh-06#section-13.7>

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/eddsa>

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name: github.com/ProtonMail/go-crypto/openpgp/internal/ecc

version: v1.0.0

type: go

summary: Package ecc implements a generic interface for ECDH, ECDSA, and EdDSA.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/internal/ecc>

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name: github.com/go-git/go-git/v5/plumbing/format/config

version: v5.12.0

type: go

summary: Package config implements encoding and decoding of git config files.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/config>

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notices: []

name: github.com/go-git/go-git/v5/storage/filesystem

version: v5.12.0

type: go

summary: Package filesystem is a storage backend base on filesystems

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/storage/filesystem>

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notices: []

name: github.com/go-git/go-git/v5/utls/binary

version: v5.12.0

type: go

summary: Package binary implements syntax-sugar functions on top of the standard library
binary package

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utls/binary>

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name: [golang.org/x/crypto/openpgp/packet](https://pkg.go.dev/golang.org/x/crypto/openpgp/packet)

version: v0.21.0

type: go

summary: Package packet implements parsing and serialization of OpenPGP packets, as
specified in RFC 4880.

homepage: <https://pkg.go.dev/golang.org/x/crypto/openpgp/packet>

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name: github.com/ProtonMail/go-crypto/openpgp/internal/encoding

version: v1.0.0

type: go

summary: Package encoding implements openpgp packet field encodings as specified in RFC 4880 and 6637.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/internal/encoding>

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notices: []

name: github.com/emirpasic/gods/trees

version: v1.18.1

type: go

summary: Package trees provides an abstract Tree interface.

homepage: <https://pkg.go.dev/github.com/emirpasic/gods/trees>

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- sources: gods/LICENSE

text: |

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notices: []

name: github.com/emirpasic/gods/containers

version: v1.18.1

type: go

summary: Package containers provides core interfaces and functions for data structures.

homepage: <https://pkg.go.dev/github.com/emirpasic/gods/containers>

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notices: []

name: golang.org/x/crypto/ssh/agent

version: v0.21.0

type: go

summary: Package agent implements the ssh-agent protocol, and provides both a client and a server.

homepage: <https://pkg.go.dev/golang.org/x/crypto/ssh/agent>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/internal/common

version: v5.12.0

type: go

summary: Package common implements the git pack protocol with a pluggable transport.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/internal/common>

license: apache-2.0

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- sources: v5/LICENSE

text: |2

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- sources: v5/README.md

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notices: []

name: github.com/cloudflare/circl/sign/ed448

version: v1.3.7

type: go

summary: Package ed448 implements Ed448 signature scheme as described in RFC-8032.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/sign/ed448>

license: other

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notices: []

name: github.com/ProtonMail/go-crypto/openpgp/internal/algorithm

version: v1.0.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/internal/algorithm>

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name: github.com/go-git/go-git/v5/internal/path_util

version: v5.12.0

type: go

summary:

homepage: https://pkg.go.dev/github.com/go-git/go-git/v5/internal/path_util

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version: v5.12.0

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summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/uts/merkletrie/filesystem>

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version: v5.12.0

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notices: []

name: github.com/go-git/go-git/v5/utls/merkletrie

version: v5.12.0

type: go

summary: Package merkletrie provides support for n-ary trees that are at the same time Merkle trees and Radix trees (tries).

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/merkletrie>

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notices: []

name: golang.org/x/sys/execabs

version: v0.18.0

type: go

summary: Package execabs is a drop-in replacement for os/exec that requires PATH lookups
to find absolute paths.

homepage: <https://pkg.go.dev/golang.org/x/sys/execabs>

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name: golang.org/x/net/context

version: v0.23.0

type: go

summary: Package context defines the Context type, which carries deadlines, cancelation signals, and other request-scoped values across API boundaries and between processes.

homepage: <https://pkg.go.dev/golang.org/x/net/context>

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name: golang.org/x/crypto/openpgp/s2k

version: v0.21.0

type: go

summary: Package s2k implements the various OpenPGP string-to-key transforms as specified in RFC 4800 section 3.7.1.

homepage: <https://pkg.go.dev/golang.org/x/crypto/openpgp/s2k>

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name: github.com/go-git/gcfg/scanner

version: v1.5.1-0.20230307220236-3a3c6141e376

type: go

summary: Package scanner implements a scanner for gcfg configuration text.

homepage: <https://pkg.go.dev/github.com/go-git/gcfg/scanner>

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name: github.com/golang/groupcache/lru

version: v0.0.0-20210331224755-41bb18bfe9da

type: go

summary: Package lru implements an LRU cache.

homepage: <https://pkg.go.dev/github.com/golang/groupcache/lru>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/storer
version: v5.12.0
type: go
summary: Package storer defines the interfaces to store objects, references, etc.
homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/storer>
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- sources: v5/README.md

text: Apache License Version 2.0, see [LICENSE](LICENSE)

notices: []

name: dario.cat/mergo

version: v1.0.0

type: go

summary: A helper to merge structs and maps in Golang.

homepage: <https://pkg.go.dev/dario.cat/mergo>

license: bsd-3-clause

licenses:

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notices: []

name: github.com/go-git/go-git/v5/utils/merkletrie/internal/frame

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utils/merkletrie/internal/frame>

license: apache-2.0

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notices: []

name: github.com/cloudflare/circl/internal/sha3

version: v1.3.7

type: go

summary: Package sha3 implements the SHA-3 fixed-output-length hash functions and
the SHAKE variable-output-length hash functions defined by FIPS-202.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/internal/sha3>

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notices: []

name: github.com/go-git/go-billy/v5/util

version: v5.5.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-billy/v5/util>

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notices: []

name: github.com/go-git/gcfg/types

version: v1.5.1-0.20230307220236-3a3c6141e376

type: go

summary: Package types defines helpers for type conversions.

homepage: <https://pkg.go.dev/github.com/go-git/gcfg/types>

license: other

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notices: []

name: golang.org/x/crypto/argon2

version: v0.21.0

type: go

summary: Package argon2 implements the key derivation function Argon2.

homepage: <https://pkg.go.dev/golang.org/x/crypto/argon2>

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name: golang.org/x/sys/unix

version: v0.18.0

type: go

summary: Package unix contains an interface to the low-level operating system primitives.

homepage: <https://pkg.go.dev/golang.org/x/sys/unix>

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name: golang.org/x/crypto/blake2b

version: v0.21.0

type: go

summary: Package blake2b implements the BLAKE2b hash algorithm defined by RFC 7693 and the extendable output function (XOF) BLAKE2Xb.

homepage: <https://pkg.go.dev/golang.org/x/crypto/blake2b>

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name: github.com/pjbgf/sha1cd/ubc

version: v0.3.0

type: go

summary: ubc package provides ways for SHA1 blocks to be checked for Unavoidable Bit
Conditions that arise from crypto analysis attacks.

homepage: <https://pkg.go.dev/github.com/pjbgf/sha1cd/ubc>

license: apache-2.0

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```

name: github.com/ProtonMail/go-crypto/eax

version: v1.0.0

type: go

summary: 'Package eax provides an implementation of the EAX (encrypt-authenticate-translate)

mode of operation, as described in Bellare, Rogaway, and Wagner "THE EAX MODE OF

OPERATION: A TWO-PASS AUTHENTICATED-ENCRYPTION SCHEME OPTIMIZED FOR SIMPLICITY AND

EFFICIENCY." In FSE"04, volume 3017 of LNCS, 2004'

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/eax>

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name: github.com/go-git/go-git/v5/plumbing/hash

version: v5.12.0

type: go

summary: package hash provides a way for managing the underlying hash implementations used across go-git.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/hash>

license: apache-2.0

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- sources: v5/README.md

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notices: []

name: github.com/emirpasic/gods/utls

version: v1.18.1

type: go

summary: Package utils provides common utility functions.

homepage: <https://pkg.go.dev/github.com/emirpasic/gods/utils>

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notices: []

name: gopkg.in/warnings.v0

version: v0.1.2

type: go

summary: Package warnings implements error handling with non-fatal errors (warnings).

homepage: <https://pkg.go.dev/gopkg.in/warnings.v0>

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notices: []

name: github.com/google/go-querystring/query

version: v1.1.0

type: go

summary: Package query implements encoding of structs into URL query parameters.

homepage: <https://pkg.go.dev/github.com/google/go-querystring/query>

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notices: []

name: github.com/pkg/errors

version: v0.9.1

type: go

summary: Package errors provides simple error handling primitives.

homepage: <https://pkg.go.dev/github.com/pkg/errors>

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notices: []

name: golang.org/x/oauth2

version: v0.19.0

type: go

summary: Package oauth2 provides support for making OAuth2 authorized and authenticated HTTP requests, as specified in RFC 6749.

homepage: <https://pkg.go.dev/golang.org/x/oauth2>

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name: golang.org/x/crypto/openpgp/errors

version: v0.21.0

type: go

summary: Package errors contains common error types for the OpenPGP packages.

homepage: <https://pkg.go.dev/golang.org/x/crypto/openpgp/errors>

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notices: []

name: github.com/go-git/go-git/v5/utls/trace

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utls/trace>

license: apache-2.0

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notices: []

name: github.com/go-git/go-git/v5/utls/sync

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utls/sync>

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name: github.com/xanzy/ssh-agent

version: v0.3.3

type: go

summary:

homepage: <https://pkg.go.dev/github.com/xanzy/ssh-agent>

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name: github.com/cloudflare/circl/math/fp448

version: v1.3.7

type: go

summary: Package fp448 provides prime field arithmetic over $GF(2^{448}-2^{224}-1)$.

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name: github.com/go-git/go-git/v5/plumbing/color

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/color>

license: apache-2.0

licenses:

- sources: v5/LICENSE

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- sources: v5/README.md

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notices: []

name: github.com/ProtonMail/go-crypto/openpgp/ecdsa

version: v1.0.0

type: go

summary: Package ecdsa implements ECDSA signature, suitable for OpenPGP, as specified in RFC 6637, section 5.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/ecdsa>

license: other

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notices: []

name: github.com/go-git/go-git/v5/utls/ioutil

version: v5.12.0

type: go

summary: Package ioutil implements some I/O utility functions.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utls/ioutil>

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name: github.com/go-git/go-git/v5/internal/revision
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type: go
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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/ssh

version: v5.12.0

type: go

summary: Package ssh implements the SSH transport protocol.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/ssh>

license: apache-2.0

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name: golang.org/x/net/internal/socks

version: v0.23.0

type: go

summary: Package socks provides a SOCKS version 5 client implementation.

homepage: <https://pkg.go.dev/golang.org/x/net/internal/socks>

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notices: []

name: github.com/go-git/go-git/v5/storage/memory

version: v5.12.0

type: go

summary: Package memory is a storage backend base on memory

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/storage/memory>

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name: github.com/go-git/go-git/v5/utls/merkletrie/noder

version: v5.12.0

type: go

summary: Package noder provide an interface for defining nodes in a merkletrie, their hashes and their paths (a noders and its ancestors).

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/utls/merkletrie/noder>

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notices: []

name: github.com/go-git/go-git/v5/internal/url

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/internal/url>

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notices: []

name: github.com/go-git/go-billy/v5/helper/polyfill

version: v5.5.0

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notices: []

name: github.com/jbenet/go-context/io

version: v0.0.0-20150711004518-d14ea06fba99

type: go

summary: Package ctxio provides io.Reader and io.Writer wrappers that respect context.Contexts.

homepage: <https://pkg.go.dev/github.com/jbenet/go-context/io>

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name: github.com/go-git/go-git/v5/plumbing/object

version: v5.12.0

type: go

summary: Package object contains implementations of all Git objects and utility functions to work with them.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/object>

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notices: []

name: golang.org/x/crypto/ssh/internal/bcrypt_pbkdf

version: v0.21.0

type: go

summary: Package bcrypt_pbkdf implements bcrypt_pbkdf(3) from OpenBSD.

homepage: https://pkg.go.dev/golang.org/x/crypto/ssh/internal/bcrypt_pbkdf

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name: github.com/ProtonMail/go-crypto/openpgp

version: v1.0.0

type: go

summary: Package openpgp implements high level operations on OpenPGP messages.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp>

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name: github.com/go-git/go-billy/v5/helper/chroot

version: v5.5.0

type: go

summary:

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name: golang.org/x/crypto/curve25519

version: v0.21.0

type: go

summary: Package curve25519 provides an implementation of the X25519 function, which performs scalar multiplication on the elliptic curve known as Curve25519.

homepage: <https://pkg.go.dev/golang.org/x/crypto/curve25519>

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name: github.com/ProtonMail/go-crypto/openpgp/s2k

version: v1.0.0

type: go

summary: Package s2k implements the various OpenPGP string-to-key transforms as specified in RFC 4800 section 3.7.1, and Argon2 specified in draft-ietf-openpgp-crypto-refresh-08 section 3.7.1.4.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/s2k>

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name: github.com/ProtonMail/go-crypto/brainpool

version: v1.0.0

type: go

summary: Package brainpool implements Brainpool elliptic curves.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/brainpool>

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name: github.com/go-git/go-git/v5/plumbing/protocol/packp

version: v5.12.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/protocol/packp>

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name: github.com/go-git/go-git/v5/plumbing

version: v5.12.0

type: go

summary: package plumbing implement the core interfaces and structs used by go-git

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing>

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notices: []

name: golang.org/x/crypto/openpgp/armor

version: v0.21.0

type: go

summary: Package armor implements OpenPGP ASCII Armor, see RFC 4880.

homepage: <https://pkg.go.dev/golang.org/x/crypto/openpgp/armor>

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name: github.com/kevinburke/ssh_config

version: v1.2.0

type: go

summary: Package ssh_config provides tools for manipulating SSH config files.

homepage: https://pkg.go.dev/github.com/kevinburke/ssh_config

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name: golang.org/x/crypto/cast5

version: v0.21.0

type: go

summary: Package cast5 implements CAST5, as defined in RFC 2144.

homepage: <https://pkg.go.dev/golang.org/x/crypto/cast5>

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name: github.com/ProtonMail/go-crypto/openpgp/packet

version: v1.0.0

type: go

summary: Package packet implements parsing and serialization of OpenPGP packets, as specified in RFC 4880.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/packet>

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name: github.com/cloudflare/circl/dh/x448

version: v1.3.7

type: go

summary: Package x448 provides Diffie-Hellman functions as specified in RFC-7748.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/dh/x448>

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notices: []

name: github.com/pjbgf/sha1cd/internal

version: v0.3.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/pjbgf/sha1cd/internal>

license: apache-2.0

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notices: []

name: golang.org/x/net/proxy

version: v0.23.0

type: go

summary: Package proxy provides support for a variety of protocols to proxy network data.

homepage: <https://pkg.go.dev/golang.org/x/net/proxy>

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name: github.com/cloudflare/circl/math

version: v1.3.7

type: go

summary: Package math provides some utility functions for big integers.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/math>

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notices: []

name: github.com/skeema/knownhosts

version: v1.2.2

type: go

summary: Package knownhosts is a thin wrapper around golang.org/x/crypto/ssh/knownhosts, adding the ability to obtain the list of host key algorithms for a known host.

homepage: <https://pkg.go.dev/github.com/skeema/knownhosts>

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name: github.com/emirpasic/gods/trees/binaryheap

version: v1.18.1

type: go

summary: Package binaryheap implements a binary heap backed by array list.

homepage: <https://pkg.go.dev/github.com/emirpasic/gods/trees/binaryheap>

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notices: []

name: github.com/go-git/gcfg

version: v1.5.1-0.20230307220236-3a3c6141e376

type: go

summary: Package gcfg reads "INI-style" text-based configuration files with "name=value" pairs grouped into sections (gcfg files).

homepage: <https://pkg.go.dev/github.com/go-git/gcfg>

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name: github.com/pjbgf/sha1cd

version: v0.3.0

type: go

summary: Package sha1cd implements collision detection based on the whitepaper Counter-cryptanalysis from Marc Stevens.

homepage: <https://pkg.go.dev/github.com/pjbgf/sha1cd>

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name: github.com/cloudflare/circl/math/mlsbset

version: v1.3.7

type: go

summary: Package mlsbset provides a constant-time exponentiation method with precomputation.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/math/mlsbset>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/format/packfile

version: v5.12.0

type: go

summary: Package packfile implements encoding and decoding of packfile format.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/packfile>

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- sources: v5/README.md

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notices: []

name: golang.org/x/crypto/ssh

version: v0.21.0

type: go

summary: Package ssh implements an SSH client and server.

homepage: <https://pkg.go.dev/golang.org/x/crypto/ssh>

license: other

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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/server

version: v5.12.0

type: go

summary: Package server implements the git server protocol.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/server>

license: apache-2.0

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- sources: v5/README.md

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notices: []

name: github.com/emirpasic/gods/lists/arraylist

version: v1.18.1

type: go

summary: Package arraylist implements the array list.

homepage: <https://pkg.go.dev/github.com/emirpasic/gods/lists/arraylist>

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name: golang.org/x/crypto/sha3
version: v0.21.0

type: go

summary: Package sha3 implements the SHA-3 fixed-output-length hash functions and the SHAKE variable-output-length hash functions defined by FIPS-202.

homepage: <https://pkg.go.dev/golang.org/x/crypto/sha3>

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notices: []

name: github.com/ProtonMail/go-crypto/bitcurves

version: v1.0.0

type: go

summary:

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/bitcurves>

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notices: []

name: github.com/cyphar/filepath-securejoin

version: v0.2.4

type: go

summary: Package securejoin is an implementation of the hopefully-soon-to-be-included SecureJoin helper that is meant to be part of the "path/filepath" package.

homepage: <https://pkg.go.dev/github.com/cyphar/filepath-securejoin>

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sources: README.md

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notices: []

name: github.com/go-git/go-git/v5/plumbing/protocol/packp/capability

version: v5.12.0

type: go

summary: Package capability defines the server and client capabilities.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/protocol/packp/capability>

license: apache-2.0

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name: github.com/cloudflare/circl/ecc/goldilocks

version: v1.3.7

type: go

summary: Package goldilocks provides elliptic curve operations over the goldilocks curve.

homepage: <https://pkg.go.dev/github.com/cloudflare/circl/ecc/goldilocks>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/http

version: v5.12.0

type: go

summary: Package http implements the HTTP transport protocol.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/http>

license: apache-2.0

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notices: []

name: github.com/spf13/pflag

version: v1.0.5

type: go

summary: Package pflag is a drop-in replacement for Go's flag package, implementing
POSIX/GNU-style --flags.

homepage: <https://pkg.go.dev/github.com/spf13/pflag>

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notices: []

name: github.com/go-git/go-git/v5/plumbing/transport/git

version: v5.12.0

type: go

summary: Package git implements the git transport protocol.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/transport/git>

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notices: []

name: github.com/ProtonMail/go-crypto/openpgp/armor

version: v1.0.0

type: go

summary: Package armor implements OpenPGP ASCII Armor, see RFC 4880.

homepage: <https://pkg.go.dev/github.com/ProtonMail/go-crypto/openpgp/armor>

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name: github.com/go-git/go-git/v5/plumbing/format/gitignore

version: v5.12.0

type: go

summary: Package gitignore implements matching file system paths to gitignore patterns that can be automatically read from a git repository tree in the order of definition priorities.

homepage: <https://pkg.go.dev/github.com/go-git/go-git/v5/plumbing/format/gitignore>

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name: github.com/sergi/go-diff/diffmatchpatch

version: v1.3.2-0.20230802210424-5b0b94c5c0d3

type: go

summary: Package diffmatchpatch offers robust algorithms to perform the operations
required for synchronizing plain text.

homepage: <https://pkg.go.dev/github.com/sergi/go-diff/diffmatchpatch>

license: mit

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1.43 ca-certificates-bundle 20240226-r0

1.43.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
/* c_rehash.c - Create hash symlinks for certificates
* C implementation based on the original Perl and shell versions
*
* Copyright (c) 2013-2014 Timo Teräs <timo.teras@iki.fi>
* All rights reserved.
*
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*/
```

Found in path(s):

* /ca-certificates-bundle-20230506-r0-os-alpine-3-18-0-tar-xz/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/c_rehash.c

No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/env perl
# *****
# *
# *      _ _ _ _ _
# * Project  _||| _\||
# *      / _||| |_)||
# *      |(_||| _<|_
# *      \_||_|_|_\_|
# *
# * Copyright (C) 1998 - 2020, Daniel Stenberg, <daniel@haxx.se>, et al.
# *
# * This software is licensed as described in the file COPYING, which
# * you should have received as part of this distribution. The terms
# * are also available at https://curl.haxx.se/docs/copyright.html.
# *
```

```

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# * furnished to do so, under the terms of the COPYING file.
# *
# * This software is distributed on an "AS IS" basis, WITHOUT
# * WARRANTY OF ANY
# * KIND, either express or implied.
# *
# *****
# This Perl script creates a fresh ca-bundle.crt file for use with libcurl.
# It downloads certdata.txt from Mozilla's source tree (see URL below),
# then parses certdata.txt and extracts CA Root Certificates into PEM format.
# These are then processed with the OpenSSL commandline tool to produce the
# final ca-bundle.crt file.
# The script is based on the parse-certs script written by Roland Krikava.
# This Perl script works on almost any platform since its only external
# dependency is the OpenSSL commandline tool for optional text listing.
# Hacked by Guenter Knauf.
#
use Encode;
use Getopt::Std;
use MIME::Base64;
use strict;
use warnings;
use vars qw($opt_b $opt_d $opt_f $opt_h $opt_i $opt_k $opt_l $opt_m $opt_n $opt_p $opt_q $opt_s $opt_t $opt_u
$opt_v $opt_w);
use List::Util;
use Text::Wrap;
use Time::Local;
my $MOD_SHA = "Digest::SHA";
eval "require
$MOD_SHA";
if ($@) {
$MOD_SHA = "Digest::SHA::PurePerl";
eval "require $MOD_SHA";
}
eval "require LWP::UserAgent";

my %urls = (
'nss' =>
'https://hg.mozilla.org/projects/nss/raw-file/default/lib/ckfw/builtins/certdata.txt',
'central' =>
'https://hg.mozilla.org/mozilla-central/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'beta' =>
'https://hg.mozilla.org/releases/mozilla-beta/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
'release' =>
'https://hg.mozilla.org/releases/mozilla-release/raw-file/default/security/nss/lib/ckfw/builtins/certdata.txt',
);

```



```

$opt_d = 'release';

# If the OpenSSL commandline is not in search path you can configure it here!
my $openssl = 'openssl';

my $version = '1.27';

$opt_w = 76; # default base64 encoded lines length

# default cert types to include in the output (default is to include CAs which may issue SSL server certs)
my $default_mozilla_trust_purposes = "SERVER_AUTH";
my $default_mozilla_trust_levels
    = "TRUSTED_DELEGATOR";
$opt_p = $default_mozilla_trust_purposes . ":" . $default_mozilla_trust_levels;

my @valid_mozilla_trust_purposes = (
    "DIGITAL_SIGNATURE",
    "NON_REPUDIATION",
    "KEY_ENCIPHERMENT",
    "DATA_ENCIPHERMENT",
    "KEY_AGREEMENT",
    "KEY_CERT_SIGN",
    "CRL_SIGN",
    "SERVER_AUTH",
    "CLIENT_AUTH",
    "CODE_SIGNING",
    "EMAIL_PROTECTION",
    "IPSEC_END_SYSTEM",
    "IPSEC_TUNNEL",
    "IPSEC_USER",
    "TIME_STAMPING",
    "STEP_UP_APPROVED"
);

my @valid_mozilla_trust_levels = (
    "TRUSTED_DELEGATOR", # CAs
    "NOT_TRUSTED",       # Don't trust these certs.
    "MUST_VERIFY_TRUST", # This explicitly tells us that it ISN'T a CA but is otherwise ok. In other words, this
                        # should tell the app to ignore any other sources that claim this is a CA.
    "TRUSTED"            # This cert is trusted, but only for itself and not for delegates (i.e. it is not a CA).
);

my $default_signature_algorithms = $opt_s = "MD5";

my @valid_signature_algorithms = (
    "MD5",
    "SHA1",

```

```

"SHA256",
"SHA384",
"SHA512"
);

$0 =~ s@.*(\/\\)@@;
$Getopt::Std::STANDARD_HELP_VERSION = 1;
getopts('bd:fhiklmnp:qs:tuvw:');

if(!defined($opt_d)) {
    # to make plain "-d" use not cause warnings, and actually still work
    $opt_d = 'release';
}

# Use predefined URL or else custom URL specified on command line.
my $url;
if(defined($urls{$opt_d})) {
    $url = $urls{$opt_d};
    if(!$opt_k && $url !~ /^https:\\/\\i/) {
        die "The URL for '$opt_d' is not HTTPS. Use -k to override (insecure).\n";
    }
}
else {
    $url = $opt_d;
}

my $curl = `curl -V`;

if ($opt_i) {
    print ("=" x 78 . "\n");
    print "Script Version          : $version\n";
    print "Perl Version              : $]\n";
    print "Operating System Name       : $^O\n";
    print "Getopt::Std.pm Version      : ${Getopt::Std::VERSION}\n";
    print "Encode::Encoding.pm Version : ${Encode::Encoding::VERSION}\n";
    print "MIME::Base64.pm Version     : ${MIME::Base64::VERSION}\n";
    print "LWP::UserAgent.pm
Version      : ${LWP::UserAgent::VERSION}\n" if($LWP::UserAgent::VERSION);
    print "LWP.pm Version          : ${LWP::VERSION}\n" if($LWP::VERSION);
    print "Digest::SHA.pm Version   : ${Digest::SHA::VERSION}\n" if ($Digest::SHA::VERSION);
    print "Digest::SHA::PurePerl.pm Version : ${Digest::SHA::PurePerl::VERSION}\n" if
($Digest::SHA::PurePerl::VERSION);
    print ("=" x 78 . "\n");
}

sub warning_message() {
    if ( $opt_d =~ m\/^risk$/i ) { # Long Form Warning and Exit
        print "Warning: Use of this script may pose some risk:\n";
    }
}

```

```

print "\n";
print " 1) If you use HTTP URLs they are subject to a man in the middle attack\n";
print " 2) Default to 'release', but more recent updates may be found in other trees\n";
print " 3) certdata.txt file format may change, lag time to update this script\n";
print " 4) Generally unwise to blindly trust CAs without manual review & verification\n";
print " 5) Mozilla apps use additional security
checks aren't represented in certdata\n";
print " 6) Use of this script will make a security engineer grind his teeth and\n";
print "    swear at you. ;)\n";
exit;
} else { # Short Form Warning
print "Warning: Use of this script may pose some risk, -d risk for more details.\n";
}
}

sub HELP_MESSAGE() {
print "Usage:\t${0} [-b] [-d<certdata>] [-f] [-i] [-k] [-l] [-n] [-p<purposes:levels>] [-q] [-s<algorithms>] [-t] [-u] [-v] [-w<l>] [<outputfile>]\n";
print "\t-b\tbackup an existing version of ca-bundle.crt\n";
print "\t-d\tspecify Mozilla tree to pull certdata.txt or custom URL\n";
print "\t\t Valid names are:\n";
print "\t\t ", join( " ", map { ( $_ =~ m/$opt_d/ ) ? "$_ (default)" : "$_" } sort keys %urls ), "\n";
print "\t-f\tforce rebuild even if certdata.txt is current\n";
print "\t-i\tprint version info about used modules\n";
print "\t-k\tallow URLs other than HTTPS, enable HTTP fallback (insecure)\n";
print "\t-l\tprint license info
about certdata.txt\n";
print "\t-m\tinclude meta data in output\n";
print "\t-n\tno download of certdata.txt (to use existing)\n";
print wrap("\t\t", "\t\t", "-p\tlist of Mozilla trust purposes and levels for certificates to include in output. Takes the
form of a comma separated list of purposes, a colon, and a comma separated list of levels. (default:
$default_mozilla_trust_purposes:$default_mozilla_trust_levels)", "\n");
print "\t\t Valid purposes are:\n";
print wrap("\t\t", "\t\t", join( " ", "ALL", @valid_mozilla_trust_purposes ), "\n");
print "\t\t Valid levels are:\n";
print wrap("\t\t", "\t\t", join( " ", "ALL", @valid_mozilla_trust_levels ), "\n");
print "\t-q\tbe really quiet (no progress output at all)\n";
print wrap("\t\t", "\t\t", "-s\tcomma separated list of certificate signatures/hashes to output in plain text mode. (default:
$default_signature_algorithms)\n");
print "\t\t Valid signature algorithms are:\n";
print wrap("\t\t", "\t\t",
", join( " ", "ALL", @valid_signature_algorithms ), "\n");
print "\t-t\tinclude plain text listing of certificates\n";
print "\t-u\tunlink (remove) certdata.txt after processing\n";
print "\t-v\tbe verbose and print out processed CAs\n";
print "\t-w <l>\twrap base64 output lines after <l> chars (default: ${opt_w})\n";
exit;
}

```

```

sub VERSION_MESSAGE() {
    print "${0} version ${version} running Perl ${}] on ${^O}\n";
}

warning_message() unless ($opt_q || $url =~ m/^(ht|f)tps:/i );
HELP_MESSAGE() if ($opt_h);

sub report($@) {
    my $output = shift;

    print STDERR $output . "\n" unless $opt_q;
}

sub is_in_list($@) {
    my $target = shift;

    return defined(List::Util::first { $target eq $_ } @_);
}

# Parses $param_string as a case insensitive comma separated list with optional whitespace
# validates that only allowed parameters are supplied
sub parse_csv_param($$@) {
    my $description = shift;
    my $param_string = shift;
    my @valid_values = @_;

    my @values = map {
        s/^\s+//; # strip leading spaces
        s/\s+$//; # strip trailing spaces
        uc $_     # return the modified string as upper case
    } split( ',', $param_string );

    # Find all values which are not in the list of valid values or "ALL"
    my @invalid = grep { !is_in_list($_,"ALL",@valid_values) } @values;

    if ( scalar(@invalid) > 0 ) {
        # Tell the user which parameters were invalid and print the standard help message which will exit
        print "Error: Invalid ", $description, scalar(@invalid) == 1 ? " : " : "s: ", join( ", ", map { "\"$_\"" } @invalid ),
        "\n";
        HELP_MESSAGE();
    }

    @values = @valid_values if ( is_in_list("ALL",@values) );

    return @values;
}

```

```

sub sha256 {
    my $result;
    if ($Digest::SHA::VERSION || $Digest::SHA::PurePerl::VERSION) {
        open(FILE, $_[0]) or die "Can't open '$_[0]': $!";
        binmode(FILE);
        $result = $MOD_SHA->new(256)->addfile(*FILE)->hexdigest;
        close(FILE);
    } else {
        # Use OpenSSL command if Perl Digest::SHA modules not available
        $result = `"$openssl" dgst -r -sha256 "$_[0]"`;
        $result =~ s/^\s{0-9a-f}{64}\s+/$1/is;
    }
    return $result;
}

```

```

sub oldhash {
    my $hash = "";
    open(C, "<$_[0]") || return 0;
    while(<C>) {
        chomp;
        if($_ =~ /\#\# SHA256: (.*)/) {
            $hash = $1;
            last;
        }
    }
    close(C);
    return $hash;
}

```

```

if ( $opt_p !~ m:/ / ) {
    print "Error: Mozilla trust identifier list must include both purposes and levels\n";
    HELP_MESSAGE();
}

```

```

(my $included_mozilla_trust_purposes_string, my $included_mozilla_trust_levels_string) = split( ':', $opt_p );
my @included_mozilla_trust_purposes = parse_csv_param( "trust purpose",
    $included_mozilla_trust_purposes_string, @valid_mozilla_trust_purposes );
my @included_mozilla_trust_levels = parse_csv_param( "trust level", $included_mozilla_trust_levels_string,
    @valid_mozilla_trust_levels );

```

```

my @included_signature_algorithms = parse_csv_param( "signature algorithm", $opt_s,
    @valid_signature_algorithms );

```

```

sub should_output_cert(%) {
    my
    %trust_purposes_by_level = @_;
}

```

```

foreach my $level (@included_mozilla_trust_levels) {
    # for each level we want to output, see if any of our desired purposes are included
    return 1 if ( defined( List::Util::first { is_in_list( $_, @included_mozilla_trust_purposes ) }
@{$trust_purposes_by_level{$level}} ) );
}

return 0;
}

my $crt = $ARGV[0] || 'ca-bundle.crt';
(my $txt = $url) =~ s@(.*/|/?.* )@@g;

my $stdout = $crt eq '-';
my $resp;
my $fetched;

my $oldhash = oldhash($crt);

report "SHA256 of old file: $oldhash";

if(!$opt_n) {
    report "Downloading $txt ...";

    # If we have an HTTPS URL then use curl
    if($url =~ /^https:\/\//i) {
        if($curl) {
            if($curl =~ /^Protocols:.* https( |$)/m) {
                report "Get certdata with curl!";
                my $proto = !$opt_k ? "--proto=https" : "";
                my $quiet = $opt_q ? "-s" : "";
                my @out = `curl -w %{response_code} $proto $quiet -o "$txt" "$url"`;
                if(!($? && @out && $out[0] == 200) {
                    $fetched = 1;
                    report "Downloaded $txt";
                }
            }
            else {
                report "Failed downloading via HTTPS with curl";
                if(-e $txt && !unlink($txt)) {
                    report "Failed to remove '$txt': $!";
                }
            }
        }
        else {
            report "curl lacks https support";
        }
    }
    else {
        report "curl not found";
    }
}

```

```

}
}

# If nothing was fetched then use LWP
if(!$fetched) {
    if($url =~ /^https:\V/i) {
        report "Falling back to HTTP";
        $url =~ s/^https:\V/http:\V/i;
    }
    if(!$opt_k) {
        report "URLs other than HTTPS are disabled by default, to enable use -k";
        exit 1;
    }
    report "Get certdata with LWP!";
    if(!defined(${LWP::UserAgent::VERSION})) {
        report "LWP is not available (LWP::UserAgent not found)";
        exit 1;
    }
    my $ua = new LWP::UserAgent(agent => "$0/$version");
    $ua->env_proxy();
    $resp = $ua->mirror($url, $txt);
    if($resp && $resp->code eq '304') {
        report "Not modified";
        exit 0 if -e $crt && !$opt_f;
    }
    else {
        $fetched = 1;
        report "Downloaded $txt";
    }
    if(!$resp || $resp->code !~ /^(?:200|304)$/) {
        report "Unable to download latest data: "
            . ($resp? $resp->code . ' - ' . $resp->message : "LWP failed");
        exit 1 if -e $crt || ! -r $txt;
    }
}
}

my $filedate = $resp ? $resp->last_modified : (stat($txt))[9];
my $datesrc = "as of";
if(!$filedate) {
    # mxr.mozilla.org gave us a time, hg.mozilla.org does not!
    $filedate = time();
    $datesrc="downloaded on";
}

# get the hash from the download file
my $newhash= sha256($txt);

```

```

if(!$opt_f && $oldhash eq $newhash) {
    report "Downloaded file identical to previous run's source file. Exiting";
    if($opt_u && -e $txt && !unlink($txt)) {
        report "Failed to remove $txt: $!\n";
    }
    exit;
}

report "SHA256 of new file: $newhash";

my $currentdate = scalar gmtime($filedate);

my $format = $opt_t ? "plain text and " : "";
if( $stdout
) {
    open(CRT, '> -') or die "Couldn't open STDOUT: $!\n";
} else {
    open(CRT,">$crt.~") or die "Couldn't open $crt.~: $!\n";
}
print CRT <<EOT;
##
## Bundle of CA Root Certificates
##
## Certificate data from Mozilla ${datesrc}: ${currentdate} GMT
##
## This is a bundle of X.509 certificates of public Certificate Authorities
## (CA). These were automatically extracted from Mozilla's root certificates
## file (certdata.txt). This file can be found in the mozilla source tree:
## ${url}
##
## It contains the certificates in ${format}PEM format and therefore
## can be directly used with curl / libcurl / php_curl, or with
## an Apache+mod_ssl webserver for SSL client authentication.
## Just configure this file as the SSLCACertificateFile.
##
## Conversion done with mk-ca-bundle.pl version $version.
## SHA256: $newhash
##

EOT

report "Processing '$txt' ...";
my $aname;
my $certnum = 0;
my $skipnum = 0;
my $start_of_cert = 0;
my @precert;
my $cka_value;

```



```

my $valid = 1;

open(TXT, "$txt")
or die "Couldn't open $txt: $!\n";
while (<TXT>) {
if (/^\\*\\*\\*\\* BEGIN LICENSE BLOCK \\*\\*\\*\\*$/) {
    print CRT;
    print if ($opt_l);
    while (<TXT>) {
        print CRT;
        print if ($opt_l);
        last if (/^\\*\\*\\*\\* END LICENSE BLOCK \\*\\*\\*\\*$/);
    }
}
elseif(/^# (Issuer|Serial Number|Subject|Not Valid Before|Not Valid After |Fingerprint \\(MD5\\)|Fingerprint
\\(SHA1\\)):/) {
    push @precert, $_;
    $valid = 1;
    next;
}
elseif(/^#|\\s*$/) {
    undef @precert;
    next;
}
}
chomp;

# Example:
# CKA_NSS_SERVER_DISTRUST_AFTER MULTILINE_OCTAL
# \\062\\060\\060\\066\\061\\067\\060\\060\\060\\060\\060\\132
# END

if (/^CKA_NSS_SERVER_DISTRUST_AFTER (CK_BBOOL CK_FALSE|MULTILINE_OCTAL)/) {
    if ($1 eq "MULTILINE_OCTAL") {
        my @timestamp;
        while (<TXT>) {
            last if (/^END/);
            chomp;
            my @octets = split(/\\);
            shift @octets;
            for (@octets) {
                push
@timestamp, chr(oct);
            }
        }
        # A trailing Z in the timestamp signifies UTC
        if ($timestamp[12] ne "Z") {
            report "distrust date stamp is not using UTC";
        }
    }
}

```

```

# Example date: 200617000000Z
# Means 2020-06-17 00:00:00 UTC
my $distrustat =
    timegm($timestamp[10] . $timestamp[11], # second
           $timestamp[8] . $timestamp[9], # minute
           $timestamp[6] . $timestamp[7], # hour
           $timestamp[4] . $timestamp[5], # day
           ($timestamp[2] . $timestamp[3]) - 1, # month
           "20" . $timestamp[0] . $timestamp[1]); # year
if(time >= $distrustat) {
    # not trusted anymore
    $skipnum++;
    report "Skipping: $scaname is not trusted anymore" if ($opt_v);
    $valid = 0;
}
else {
    # still trusted
}
}
next;
}

# this
is a match for the start of a certificate
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_CERTIFICATE/) {
    $start_of_cert = 1
}
if ($start_of_cert && /^CKA_LABEL UTF8 \"(.*)\"/) {
    $scaname = $1;
}
my %trust_purposes_by_level;
if ($start_of_cert && /^CKA_VALUE MULTILINE_OCTAL/) {
    $cka_value="";
    while (<TXT>) {
        last if (/^END/);
        chomp;
        my @octets = split(/\n/);
        shift @octets;
        for (@octets) {
            $cka_value .= chr(oct);
        }
    }
}
if (/^CKA_CLASS CK_OBJECT_CLASS CKO_NSS_TRUST/ && $valid) {
    # now scan the trust part to determine how we should trust this cert
    while (<TXT>) {
        last if (/^#/);
        if (/^CKA_TRUST_([A-Z_]+)\s+CK_TRUST\s+CKT_NSS_([A-Z_]+)\s*$/) {

```

```

        if ( !lis_in_list($1,@valid_mozilla_trust_purposes) ) {
            report "Warning: Unrecognized trust purpose for cert: $aname. Trust purpose: $1. Trust Level: $2";
        } elseif ( !lis_in_list($2,@valid_mozilla_trust_levels) ) {
            report "Warning:
Unrecognized trust level for cert: $aname. Trust purpose: $1. Trust Level: $2";
        } else {
            push @{$trust_purposes_by_level{$2}}, $1;
        }
    }
}

if ( !should_output_cert(%trust_purposes_by_level) ) {
    $skipnum ++;
    report "Skipping: $aname" if ($opt_v);
} else {
    my $data = $sca_value;
    $sca_value = "";
    my $encoded = MIME::Base64::encode_base64($data, "");
    $encoded =~ s/(.{1,${opt_w}})/$1\n/g;
    my $pem = "-----BEGIN CERTIFICATE-----\n"
        . $encoded
        . "-----END CERTIFICATE-----\n";
    print CRT "\n$aname\n";
    print CRT @precert if($opt_m);
    my $maxLength = length(decode('UTF-8', $aname, Encode::FB_CROAK | Encode::LEAVE_SRC));
    if ($opt_t) {
        foreach my $key (keys %trust_purposes_by_level) {
            my $string = $key . ": " . join(" ", @{$trust_purposes_by_level{$key}});
            $maxLength = List::Util::max( length($string), $maxLength
);
            print CRT $string . "\n";
        }
    }
    print CRT ("=" x $maxLength . "\n");
    if (!$opt_t) {
        print CRT $pem;
    } else {
        my $pipe = "";
        foreach my $hash (@included_signature_algorithms) {
            $pipe = "|$openssl x509 -" . $hash . " -fingerprint -noout -inform PEM";
            if (!$stdout) {
                $pipe .= " >> $crt.~";
                close(CRT) or die "Couldn't close $crt.~: $!";
            }
            open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
            print TMP $pem;
            close(TMP) or die "Couldn't close openssl pipe: $!";
            if (!$stdout) {

```

```

        open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
    }
}
$pipe = "|$openssl x509 -text -inform PEM";
if (!$stdout) {
    $pipe .= " >> $crt.~";
    close(CRT) or die "Couldn't close $crt.~: $!";
}
open(TMP, $pipe) or die "Couldn't open openssl pipe: $!";
print TMP
$pem;
close(TMP) or die "Couldn't close openssl pipe: $!";
if (!$stdout) {
    open(CRT, ">>$crt.~") or die "Couldn't open $crt.~: $!";
}
}
report "Parsing: $cname" if ($opt_v);
$certnum ++;
$start_of_cert = 0;
}
undef @precert;
}

}
close(TXT) or die "Couldn't close $txt: $!\n";
close(CRT) or die "Couldn't close $crt.~: $!\n";
unless( $stdout ) {
    if ($opt_b && -e $crt) {
        my $bk = 1;
        while (-e "$crt.~{$bk}~") {
            $bk++;
        }
        rename $crt, "$crt.~{$bk}~" or die "Failed to create backup $crt.~{$bk}~: $!\n";
    } elsif( -e $crt ) {
        unlink( $crt ) or die "Failed to remove $crt: $!\n";
    }
    rename "$crt.~", $crt or die "Failed to rename $crt.~ to $crt: $!\n";
}
if($opt_u && -e $txt && !unlink($txt)) {
    report "Failed to remove $txt: $!\n";
}
}
report "Done ($certnum CA certs processed, $skipnum skipped).";

```

Found in path(s):

* /ca-certificates-bundle-20230506-r0-os-alpine-3-18-0-tar-xz/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/mk-ca-bundle.pl

1.44 scanelf 1.3.7-r2

1.44.1 Available under license :

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22.5.0

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1.56 github.com/aws/smithy-go 1.20.2

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1.57 github.com/aws/aws-sdk-go-v2/service/internal/accept-encoding 1.11.2

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1.58 sirupsen-logrus 1.9.3

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1.59 pq 1.10.9

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```
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// +build go1.10

package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}
```

```

}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

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```

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1.60 serf 0.10.1

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1.71 x-sys 0.21.0

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1.73 common 0.54.0

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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1.76 x-text 0.16.0

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1.77 go-retryablehttp 0.7.7

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1.78 hashicorp-consul-api 1.29.1

1.78.1 Available under license :

```
---
layout: api
page_title: License - Operator - HTTP API
description: |-
  The /operator/license endpoint allows for retrieving the Consul
  Enterprise License.
---
```

License - Operator HTTP API

<EnterpriseAlert />

The licensing functionality described here is available only in
[Consul Enterprise](https://www.hashicorp.com/products/consul/) version 1.1.0 and later.

Getting the Consul License

This endpoint gets information about the current license.

Method	Path	Produces
GET	/operator/license	application/json

The table below shows this endpoint's support for
[blocking queries](/consul/api-docs/features/blocking),
[consistency modes](/consul/api-docs/features/consistency),
[agent caching](/consul/api-docs/features/caching), and
[required ACLs](/consul/api-docs/api-structure#authentication).

Blocking Queries	Consistency Modes	Agent Caching	ACL Required

```
| -----
| ----- | ----- |
| `NO`      | `all`      | `none`      | `none`      |
```

The corresponding CLI command is [`consul license get`](/consul/commands/license#get).

Query Parameters

- `-dc` `(string: "")` - Specifies the datacenter whose license should be retrieved.
This will default to the datacenter of the agent serving the HTTP request.`

Sample Request

```
```shell-session
$ curl \
 http://127.0.0.1:8500/v1/operator/license
```
```

Sample Response

```
```json
{
 "Valid": true,
 "License": {
 "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
 "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
 "installation_id": "*",
 "issue_time": "2018-05-21T20:03:35.911567355Z",
 "start_time": "2018-05-21T04:00:00Z",
 "expiration_time": "2019-05-22T03:59:59.999Z",
 "product": "consul",
 "flags": {
 "package": "premium"
 },
 "features": [
 "Automated Backups",
 "Automated Upgrades",
 "Enhanced Read Scalability",
 "Network Segments",
 "Redundancy Zone",
 "Advanced Network Federation"
],
 "temporary": false
 },
 "Warnings": []
}
```
```

Updating the Consul License

-> **Deprecated** This endpoint was removed in Consul v1.10.0 along with the ability to manage the cluster's license via the API.

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

Method	Path	Produces
PUT	/operator/license	application/json

The table below shows this endpoint's support for [blocking queries](/consul/api-docs/features/blocking), [consistency modes](/consul/api-docs/features/consistency), [agent caching](/consul/api-docs/features/caching), and [required ACLs](/consul/api-docs/api-structure#authentication).

Blocking Queries	Consistency Modes	Agent Caching	ACL Required
NO	none	none	operator:write

The corresponding CLI command is [consul license put](/consul/commands/license#put).

Query Parameters

- dc (string: "") - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request.

Sample Payload

The payload is the raw license blob.

Sample Request

```
``shell-session
$ curl \
  --request PUT \
  --data @consul.license \
  http://127.0.0.1:8500/v1/operator/license
``
```

Sample Response

```
``json
{
```

```

"Valid": true,
"License": {
  "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
  "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
  "installation_id": "*",
  "issue_time": "2018-05-21T20:03:35.911567355Z",
  "start_time": "2018-05-21T04:00:00Z",
  "expiration_time": "2019-05-22T03:59:59.999Z",
  "product":
"consul",
  "flags": {
    "package": "premium"
  },
  "features": [
    "Automated Backups",
    "Automated Upgrades",
    "Enhanced Read Scalability",
    "Network Segments",
    "Redundancy Zone",
    "Advanced Network Federation"
  ],
  "temporary": false
},
"Warnings": []
}
...

```

Resetting the Consul License

-> **Deprecated** This endpoint was removed in Consul v1.10.0 along with the ability to manage the cluster's license via the API.

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

Method	Path	Produces
DELETE	/operator/license	application/json

The table below shows this endpoint's support for
[blocking queries](/consul/api-docs/features/blocking),
[consistency modes](/consul/api-docs/features/consistency),
[agent caching](/consul/api-docs/features/caching),
and
[required ACLs](/consul/api-docs/api-structure#authentication).

Blocking Queries	Consistency Modes	Agent Caching	ACL Required


```
| `NO`          | `none`        | `none`        | `operator:write` |
```

The corresponding CLI command is [`consul license reset`](/consul/commands/license#reset).

Query Parameters

- `dc` `(string: "")` - Specifies the datacenter whose license should be updated.`

This will default to the datacenter of the agent serving the HTTP request.

Sample Request

```
```shell-session
$ curl \
 --request DELETE \
 http://127.0.0.1:8500/v1/operator/license
```
```

Sample Response

```
```json
{
 "Valid": true,
 "License": {
 "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
 "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
 "installation_id": "*",
 "issue_time": "2018-05-21T20:03:35.911567355Z",
 "start_time": "2018-05-21T04:00:00Z",
 "expiration_time": "2019-05-22T03:59:59.999Z",
 "product": "consul",
 "flags": {
 "package": "premium"
 },
 "features": [
 "Automated Backups",
 "Automated Upgrades",
 "Enhanced Read Scalability",
 "Network Segments",
 "Redundancy Zone",
 "Advanced Network Federation"
],
 "temporary": false
 },
 "Warnings": []
}
```
```

/**

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*/

@import './skin';

@import './layout';

/**

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*/

.consul-intention-permission-form {

h2 {

padding-top: 1.4em;

margin-top: 0.2em;

margin-bottom: 0.6em;

}

.consul-intention-permission-header-form {

margin-top: 10px;

}

fieldset:nth-child(2) > div,

.consul-intention-permission-header-form fieldset > div {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(160px, 1fr));

grid-gap: 12px;

}

fieldset:nth-child(2) > div label:last-child {

grid-column: span 2;

}

.ember-basic-dropdown-trigger {

padding: 5px;

}

.checkbox-group {

flex-direction: column;

}

}

/**

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*/

@import './skin';

@import './layout';

.consul-intention-permission-list > ul > li {

@extend %list-row-200;

}

.consul-intention-permission-list:not(.readonly) > ul > li {

@extend %with-composite-row-intent;

}

```
.consul-intention-permission-list strong {  
  @extend %pill-500;  
}  
.consul-intention-permission-list .intent-allow {  
  @extend %pill-allow;  
}  
.consul-intention-permission-list .intent-deny {  
  @extend %pill-deny;  
}
```

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layout: docs

page_title: Enterprise License FAQ

description: >-

Review frequently asked questions (FAQs) about Consul Enterprise licenses to learn more about how licenses work, what happens when they expire, and how to get a trial license.

Frequently Asked Questions (FAQ)

This FAQ is for the license changes introduced in Consul Enterprise version 1.10.0. Consul Enterprise automatically loads Consul licenses when the server agent starts.

Q: Can I get a quick summary of the Consul changes?

Starting with Consul Enterprise 1.10.0, the license enablement process is different.

HashiCorp Enterprise servers will no longer start without a license. Servers require licenses to be provided from either an environment variable or file.

If the license is missing, invalid, or expired, the server will immediately exit.

This check is part of the server boot-up process.

In previous versions of HashiCorp enterprise products, one server could distribute a license to other servers via the Raft protocol.

This will no longer work since each server must be able to find a valid license during the startup process.

Q: What are the upgrade requirements?

All customers on Consul Enterprise 1.8/1.9 must first upgrade their client and server agents to the latest patch release.

During the upgrade the license file must also be configured on client agents in an environment variable or file path, otherwise the Consul agents will fail to retrieve the license with a valid agent token.

The upgrade process varies if ACLs are enabled or disabled in the cluster.

Refer to the instructions on [upgrading to 1.10.x](/consul/docs/upgrading/instructions/upgrade-to-1-10-x) for details.

Q: Is there a tutorial available for the license configuration steps?

Please visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs).

Q: What resources are available?

The list below is a great starting point for learning more about the license

changes introduced in Consul Enterprise 1.10.0+ent.

- [Consul Enterprise Upgrade Documentation](/consul/docs/enterprise/upgrades)
- [Consul License Documentation](/consul/docs/enterprise/license/overview)
- [License configuration values documentation](/consul/docs/enterprise/license/overview#binaries-without-built-in-licenses)
- [Install a HashiCorp Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs)

Q: Do these changes impact all customers/licenses?

The license changes introduced in 1.10.0 only affect Consul Enterprise.

This impacts customers that have an enterprise binary (trial or non-trial licenses) downloaded from <https://releases.hashicorp.com>.

The license changes do not impact customers with the baked-in licensed binaries. In a later release of Consul Enterprise, baked-in binaries will be deprecated.

Q: What is the product behavior change introduced by the licensing changes?

Starting with Consul Enterprise 1.10.0,

a valid license is required on-disk (auto-loading) or as an environment variable for Consul Enterprise to successfully boot-up.

The in-storage license feature will not be supported starting with Consul Enterprise 1.10.0+ent. All Consul Enterprise clusters using 1.10.0+ent must ensure that there is a valid license on-disk (auto-loaded) or as an environment variable.

Q: What is the impact on trial licenses due to this change? ((#q-what-is-the-impact-on-evaluation-licenses-due-to-this-change))

Consul Enterprise 1.10.0+ server agents require a valid license to start.

The license can be provided on disk (auto-loaded) or as an environment variable.

There is no longer a 6-hour trial period in which Consul Enterprise server agents can operate without a license.

Q: Is there a grace period when licenses expire?

****Yes** Consul will continue normal operation and can be restarted after license ***expiration***** as defined in [`expiration\_time`](/consul/api-docs/operator/license#getting-the-consul-license).

As

license expiration is approached or passed, Consul will issue warnings in the system logs.

Consul will only cease operation after license ***termination***, which occurs 10 years after license expiration and is defined in

[`termination\_time`](/consul/api-docs/operator/license#getting-the-consul-license).

~> ****Starting with Consul 1.14, and patch releases 1.13.3 and 1.12.6, Consul will support non-terminating licenses****:

Please contact your support representative for more details on non-terminating licenses.

An expired license will not allow Consul versions released after the expiration date to run.

It will not be possible to upgrade to a new version of Consul released after license expiration.

Q: Does this affect client agents?

There are upgrade requirements that affect Consul Enterprise clients.

Please review the [upgrade requirements](#q-what-are-the-upgrade-requirements) documentation.

Q: Does this affect snapshot agents?

Same behavior as Consul clients.

See answer for [Does this affect client agents?](#q-does-this-affect-client-agents)

Q: What is the behavior if the license is missing?

Consul server agents will detect the absence of the license and immediately exit.

Consul client agents will attempt to retrieve the license from servers if certain conditions are met:

- ACLs are enabled.
- An ACL token is provided to the client agent.
- The client agents configuration contains `retry\_join` addresses.
- The retry join addresses are addresses of the Consul servers.

Consul snapshot agents will attempt to retrieve the license from servers if certain conditions are met: ACLs are enabled, a ACL token is provided to the client agent, the client agents configuration contains `retry\_join` addresses, the retry join addresses are addresses of the Consul servers.

Q: Where can users get a trial license for Consul Enterprise?

Contact your [HashiCorp Support contact](https://support.hashicorp.com/) for a development license.

~> ****Trial**

install will cease operation 24 hours after 30-day license expiration**:

Trial licenses are not meant to be used in production.

This is unlike non-trial licenses which provide a 10 year grace period as described in

the answer for [Q: Is there a grace period when licenses expire?](#q-is-there-a-grace-period-when-licenses-expire).

Q: How can I renew a license?

Contact your organization's [HashiCorp account team](https://support.hashicorp.com/hc/en-us) for information on how to renew your organization's enterprise license.

Q: I'm an existing enterprise customer but don't have my license, how can I get it?

Contact your organization's [HashiCorp account team](https://support.hashicorp.com/hc/en-us) for information on how to renew your organization's enterprise license.

Q: Are the license files locked to a specific cluster?

The license files are not locked to a specific cluster or cluster node. The above changes apply to all nodes in a cluster.

Q: Will this
impact HCP Consul Dedicated?

This will not impact HCP Consul Dedicated.

Q: Does this need to happen every time a node restarts, or is this a one-time check?

Consul Enterprise binaries starting with 1.10.0+ent, will be subject to EULA check. Release 1.10.0+ent introduces the EULA check for trial licenses (non-trial licenses already go through EULA check during contractual agreement).

The agreement to a EULA happens only once (when the user gets their license), Consul Enterprise **will** check for the presence of a valid license every time a node restarts**.**

When a customer upgrades existing clusters to a 1.10.0+ent release, they need to have a valid license to successfully upgrade. This valid license must be auto-loaded.

When a customer deploys new clusters to a 1.10.0+ent release, they need to have a valid license to successfully upgrade. This valid license must be on-disk (auto-loaded).

Q: What are the scenarios that a customer must plan for because of these changes?

New

Consul cluster deployments using 1.10.0+ent will need to have a valid license on servers to successfully deploy. This valid license must be on-disk (auto-loaded) or as an environment variable. Please see the [upgrade requirements](/consul/docs/enterprise/license/faq#q-what-are-the-upgrade-requirements).

Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?

VM

1. Run [`consul license get -signed``](/consul/commands/license#get) to extract the license from their running cluster. Store the license in a secure location on disk.
1. Set up the necessary configuration so that when Consul Enterprise reboots it will have access to the required license. This could be via the client agent configuration file or an environment variable.
1. Visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.
1. Follow the Consul upgrade [documentation](/consul/docs/upgrading).

Kubernetes

****NOTE:**** If you are not upgrading Consul or your Helm chart version then no action is required.

1. In order to use Consul Enterprise 1.10.0 or greater on Kubernetes you must use version 0.32.0 or greater of the Helm chart.

1. You should already have a Consul Enterprise license set as a Kubernetes secret. If you do not, refer to [how to obtain a copy of your license](/consul/docs/enterprise/license/faq#q-i-m-an-existing-enterprise-customer-but-don-t-have-my-license-how-can-i-get-it).

Once you have the license then create a Kubernetes secret containing the license as described in [Kubernetes - Consul Enterprise](/consul/docs/k8s/deployment-configurations/consul-enterprise).

1. Follow the [Kubernetes Upgrade Docs](/consul/docs/k8s/upgrade) to upgrade. No changes to your `values.yaml` file are needed to enable enterprise autoloading since this support is built in to consul-helm 0.32.0 and greater.

!>

****Warning:**** If you are upgrading the Helm chart but ****not**** upgrading the Consul version, you must set `server.enterpriseLicense.enableLicenseAutoload: false`. See [Kubernetes - Consul Enterprise](/consul/docs/k8s/deployment-configurations/consul-enterprise) for more details.

Q: What is the migration path for customers who want to migrate from their existing perpetually-licensed binaries to the license on disk flow?

VM

1. Acquire a valid Consul Enterprise license. If you are an existing HashiCorp enterprise customer you may contact your organization's [customer success manager](https://support.hashicorp.com/hc/en-us) (CSM) for information on how to get your organization's enterprise license.

1. Store the license in a secure location on disk.

1. Set up the necessary configuration so that when Consul Enterprise reboots it will have the required license. This could be via the client agent configuration file or an environment variable.

Visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

1. Follow the Consul upgrade [documentation](/consul/docs/upgrading).

Kubernetes

1. Acquire a valid Consul Enterprise license. If you are an existing HashiCorp enterprise customer you may contact your organization's [customer success manager](https://support.hashicorp.com/hc/en-us) (CSM) for information on how to get your organization's enterprise license.

1. Set up the necessary configuration so that when Consul Enterprise reboots it will have the required license. This could be via the client agent configuration file or an environment variable.

Visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

1. Proceed with the `helm` [upgrade instructions](/consul/docs/k8s/upgrade)

Q: Will Consul downgrades/rollbacks work?

When downgrading

to a version of Consul before 1.10.0+ent, customers will need to follow the previous process for applying an enterprise licenses to Consul Enterprise.

Q: Are there potential pitfalls when downgrading or upgrading Consul server instances?

~> Verify that you meet the [upgrade requirements](/consul/docs/enterprise/license/faq#q-what-are-the-upgrade-requirements).

Assume a scenario where there are three Consul server nodes:

- Node A: v1.9.5
- Node B: v1.10.0 [Leader]
- Node C: v1.9.5

The command `consul license put` is issued from Node A. This will result in an error due to how Consul routes calls to the server node, Node B in this example.

Because Node A is a follower when the call `consul license put` is issued, the call will be redirected to Node B (leader).

The `consul license put` operation will fail due to being removed from 1.10.0.

This is a scenario that could occur if a customer downgrades from 1.10.0+ and the Consul leadership has not transferred back over to a node not running 1.10.0+.

This also has the potential of occurring when upgrading if scheduled license updates or autoscaling groups recoveries are in place.

Q: Any impacts to Consul Kubernetes?

If you are using a Consul Enterprise version prior to 1.10.0 and decide to upgrade the Helm chart to version 0.32.0 or newer, but not the Consul version.

You will need to add the following configuration.

...

server:

enterpriseLicense:

enableLicenseAutoload: false

...

/**

* Copyright (c) HashiCorp, Inc.

* SPDX-License-Identifier: BUSL-1.1

*/

.consul-intention-permission-header-list {

max-height: 200px;

overflow: auto;

}

{{!

Copyright (c) HashiCorp, Inc.

SPDX-License-Identifier: BUSL-1.1

```

}}

{{#if (gt items.length 0)}}
<ListCollection
class="consul-intention-permission-header-list"
@items={{ items }}
@scroll="native"
@cellHeight={{ 42 }}
as |item|>
  <BlockSlot @name="details">
    <dl>
      <dt>
        <Tooltip>
          Header
        </Tooltip>
      </dt>
      <dd>
        {{ item.Name }} {{ route-match item }}
      </dd>
    </dl>
  </BlockSlot>
  <BlockSlot @name="actions" as |Actions|>
    <Actions as |Action|>
      <Action data-test-delete-action @onclick={{ { action ondelete item } }} class="dangerous">
        <BlockSlot @name="label">
          Delete
        </BlockSlot>
        <BlockSlot @name="confirmation" as |Confirmation|>
          <Confirmation class="warning">
            <BlockSlot @name="header">
              Confirm delete
            </BlockSlot>
            <BlockSlot @name="body">
              <p>
                Are you sure you want to delete this header?
              </p>
            </BlockSlot>
            <BlockSlot @name="confirm" as |Confirm|>
              <Confirm>Delete</Confirm>
            </BlockSlot>
          </Confirmation>
        </BlockSlot>
      </Action>
    </Actions>
  </BlockSlot>
</ListCollection>
{{ /if }}

```

```

{
  "name": "envoy.filters.http.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
    "rules": {
      "policies": {
        "consul-intentions-layer7-0": {
          "permissions": [
            {
              "andRules": {
                "rules": [
                  {
                    "urlPath": {
                      "path": {
                        "exact": "/v1/secret"
                      }
                    }
                  }
                ],
              },
            },
            {
              "andRules": {
                "rules": [
                  {
                    "metadata": {
                      "filter": "envoy.filters.http.jwt_authn",
                      "path": [
                        {
                          "key": "jwt_payload_auth0"
                        },
                        {
                          "key": "iss"
                        }
                      ],
                      "value": {
                        "stringMatch": {
                          "exact": "mytest.auth0-issuer"
                        }
                      }
                    }
                  },
                  {
                    "metadata": {
                      "filter": "envoy.filters.http.jwt_authn",
                      "path": [
                        {
                          "key": "jwt_payload_auth0"
                        },
                        {
                          "key": "perms"
                        }
                      ]
                    }
                  }
                ],
              },
            }
          ]
        }
      }
    }
  }
}

```

```

        },
        {
            "key": "role"
        }
    ],
    "value": {
        "stringMatch": {
            "exact": "admin"
        }
    }
}

}
}
}
]
}
}
]
}
},
{
    "andRules": {
        "rules": [
            {
                "urlPath": {
                    "path": {
                        "exact": "/v1/admin"
                    }
                }
            },
            {
                "notRule": {
                    "urlPath": {
                        "path": {
                            "exact": "/v1/secret"
                        }
                    }
                }
            }
        ]
    }
},
"principals": [
    {
        "andIds": {
            "ids": [
                {
                    "authenticated": {

```

```

    "principalName": {

    "safeRegex": {
        "regex": "^spiffe://test.consul/ns/default/dc/[^/]+/svc/web$"
    }
    },
    {
    "andIds": {
        "ids": [
            {
                "metadata": {
                    "filter": "envoy.filters.http.jwt_authn",
                    "path": [
                        {
                            "key": "jwt_payload_okta"
                        },
                        {
                            "key": "iss"
                        }
                    ],
                    "value": {
                        "stringMatch": {
                            "exact": "mytest.okta-issuer"
                        }
                    }
                }
            },

            {
                "metadata": {
                    "filter": "envoy.filters.http.jwt_authn",
                    "path": [
                        {
                            "key": "jwt_payload_okta"
                        },
                        {
                            "key": "roles"
                        }
                    ],
                    "value": {
                        "stringMatch": {
                            "exact": "testing"
                        }
                    }
                }
            }
        ]
    }
    }

```

```
    ]  
    }  
  }  
]  
}  
}  
]  
}  
}  
}  
}  
}  
}  
}{!  
Copyright (c) HashiCorp, Inc.  
SPDX-License-Identifier: BUSL-1.1  
}}
```

```

<group.Element
  @name="Name"
  @error={{ changeset-get changeset 'error.Name' }}
  as |el|>
    <el.Label>Header name</el.Label>
    <el.Text

      @value={{ changeset-get changeset 'Name' }}
      oninput={{ action 'change' 'Name' changeset }}
    />
    <State @state={{ el.state }} @matches="error">
      <el.Error>
        {{ changeset-get changeset 'error.Name.validation' }}
      </el.Error>
    </State>
  </group.Element>

{{#if shouldShowValueField}}
  <group.Element
    @name="Value"
    @error={{ changeset-get changeset 'error.Value' }}
    as |el|>
      <el.Label>Header {{lowercase (get headerLabels headerType)}}</el.Label>
      <el.Text
        @value={{ changeset-get changeset 'Value' }}
        oninput={{ action 'change' 'Value' changeset }}
      />
      <State @state={{ el.state }} @matches="error">
        <el.Error>
          {{ changeset-get changeset 'error.Value.validation' }}
        </el.Error>
      </State>
    </group.Element>
  {{/if}}

</div>
</fieldset>
</FormGroup>
</div>
{
  "name": "envoy.filters.http.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
    "rules": {
      "policies": {
        "consul-intentions-layer7-0": {
          "permissions": [

```

```

{
  "andRules": {
    "rules": [
      {
        "urlPath": {
          "path": {
            "prefix": "/v1"
          }
        }
      },
      {
        "notRule": {
          "urlPath": {
            "path": {
              "exact": "/v1/secret"
            }
          }
        }
      }
    ]
  }
},
{
  "andRules": {
    "rules": [
      {
        "andRules": {
          "rules": [
            {
              "urlPath": {
                "path": {
                  "safeRegex": {
                    "regex": "/v[123]"
                  }
                }
              },
              {
                "header": {
                  "name": ":method",
                  "stringMatch": {
                    "safeRegex": {
                      "regex": "GET|HEAD|OPTIONS"
                    }
                  }
                }
              }
            ]
          }
        }
      }
    ]
  }
}

```



```

    ]
  }
},
{
  "notRule": {
    "urlPath": {
      "path": {
        "exact": "/v1/secret"
      }
    }
  }
},
{
  "notRule": {
    "andRules": {
      "rules": [
        {
          "urlPath": {
            "path": {
              "exact": "/v1/admin"
            }
          }
        },
        {
          "header": {
            "name": "method",
            "stringMatch": {
              "safeRegex": {
                "regex": "GET"
              }
            }
          }
        }
      ]
    }
  }
},
{
  "andRules": {
    "rules": [

```

```

    {
      "header": {
        "name": "x-foo",
        "presentMatch": true
      }
    },
    {
      "header": {
        "name": "x-bar",
        "stringMatch": {
          "exact": "xyz"
        }
      }
    },
    {
      "header": {
        "name": "x-dib",
        "stringMatch": {
          "prefix": "gaz"
        }
      }
    },
    {
      "header": {
        "name": "x-gir",
        "stringMatch": {
          "suffix": "zim"
        }
      }
    },
    {
      "header": {
        "name": "x-zim",
        "stringMatch": {
          "safeRegex": {
            "regex": "gi[rR]"
          }
        }
      }
    },
    {
      "header": {
        "invertMatch": true,
        "name": "z-foo",
        "presentMatch": true
      }
    },
  ],

```

```

    {
      "header": {
        "invertMatch": true,
        "name": "z-bar",
        "stringMatch": {
          "exact": "xyz"
        }
      }
    },
    {
      "header": {
        "invertMatch": true,
        "name": "z-dib",
        "stringMatch": {
          "prefix": "gaz"
        }
      }
    },
    {
      "header": {
        "invertMatch": true,
        "name": "z-gir",
        "stringMatch": {
          "suffix": "zim"
        }
      }
    },
    {
      "header": {
        "invertMatch": true,
        "name": "z-zim",
        "stringMatch": {
          "safeRegex": {

            "regex": "gi[rR]"
          }
        }
      }
    }
  ],
},
{
  "notRule": {
    "urlPath": {
      "path": {
        "exact": "/v1/secret"
      }
    }
  }
}

```

```

        }
      }
    },
    {
      "notRule": {
        "header": {
          "name": "x-baz",
          "presentMatch": true
        }
      }
    }
  ]
}
},
"principals": [
  {
    "authenticated": {
      "principalName": {
        "safeRegex": {
          "regex": "^spiffe://test.consul/ns/default/dc[/\\^]+/svc/web$"
        }
      }
    }
  }
]
}
}
}
{
  "name": "envoy.filters.network.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.network.rbac.v3.RBAC",
    "rules": {},
    "statPrefix": "connect_authz"
  }
}
{
  "Valid": true,
  "License": {
    "license_id": "${fake.random.uuid()}",
    "customer_id": "${fake.random.uuid()}",
    "installation_id": "*",
    "issue_time": "2021-01-13T15:25:19.052900132Z",
    "start_time": "2021-01-13T00:00:00Z",

```

```

"expiration_time": "${env('CONSUL_LICENSE_EXPIRATION', '2022-05-02T23:59:59.999Z')}",
"termination_time": "${env('CONSUL_LICENSE_TERMINATION', '2022-01-13T23:59:59.999Z')}",
"product": "consul",
"flags": {
  "modules": [
    "global-visibility-routing-scale",
    "governance-policy"
  ]
},
"modules": [
  "Global Visibility, Routing and Scale",
  "Governance and Policy"
],
"features": [
  "Automated Backups",
  "Automated Upgrades",
  "Enhanced Read Scalability",
  "Network Segments",
  "Redundancy Zone",
  "Advanced Network Federation",
  "Namespaces",
  "SSO",
  "Audit Logging",
  "Admin Partitions"
]
},
"Warnings": [
]
}
{
"name": "envoy.filters.http.jwt_authn",
"typedConfig": {
"@type": "type.googleapis.com/envoy.extensions.filters.http.jwt_authn.v3.JwtAuthentication",
"providers": {
"okta": {
"issuer": "test-issuer",
"payloadInMetadata": "jwt_payload_okta",
"remoteJwks": {
"asyncFetch": {
"fastListener": true
},
"httpUri": {
"cluster": "jwks_cluster_okta",
"timeout": "1s",
"uri": "https://example-okta.com/.well-known/jwks.json"
}
}
}
}
}
}

```

```

    },
    "rules": [
      {
        "match": {
          "prefix": "/"
        },
        "requires": {
          "requiresAny": {
            "requirements": [
              {
                "providerName": "okta"
              },
              {
                "allowMissingOrFailed": {}
              }
            ]
          }
        }
      }
    ]
  }
}

/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */

```

```
@import './skin';
@import './layout';
.consul-intention-permission-header-list {
  > ul > li {
    @extend %list-row-200;
  }
}

# Proprietary License
```

This license is temporary while a more official one is drafted. However, this should make it clear:

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```
{
  "name": "envoy.filters.http.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
```

```

"rules": {
  "policies": {
    "consul-intentions-layer7-0": {
      "permissions": [
        {
          "andRules": {
            "rules": [
              {
                "andRules": {
                  "rules": [
                    {
                      "urlPath": {
                        "path": {
                          "prefix": "/v1"
                        }
                      }
                    },
                    {
                      "header": {
                        "name": "x-foo",
                        "presentMatch": true
                      }
                    }
                  ]
                }
              }
            ],
            "notRule": {
              "andRules": {
                "rules": [
                  {
                    "urlPath": {
                      "path": {
                        "exact": "/v1/secret"
                      }
                    }
                  },
                  {
                    "header": {
                      "name": "x-baz",
                      "presentMatch": true
                    }
                  },
                  {
                    "header": {
                      "name": "x-bar",
                      "presentMatch": true
                    }
                  }
                ]
              }
            }
          }
        }
      ]
    }
  }
}

```

```

        }
    }
]
}
},
{
    "notRule": {
        "andRules": {
            "rules": [
                {
                    "urlPath": {
                        "path": {
                            "exact": "/v1/admin"
                        }
                    },
                    {
                        "header": {
                            "name": "x-baz",
                            "presentMatch": true
                        }
                    },
                    {
                        "header": {
                            "name": "x-bar",
                            "presentMatch": true
                        }
                    }
                ]
            }
        }
    }
},
],
"principals": [
    {
        "authenticated": {
            "principalName": {
                "safeRegex": {
                    "regex": "^spiffe://test.consul/ns/default/dc/[^]+/svc/web$"
                }
            }
        }
    }
]
}

```



```

    ]
  }
}
}
}
}
}
}

```

License

```

```hbs preview-template
<figure>
<figcaption>URI: <code>/:partition/:namespace/:dc/license</code></figcaption>
<DataSource
 @src={{
 uri '${partition}/${namespace}/${dc}/license'
 (hash
 partition='partition'
 namespace='ns'
 dc='dc-1'
)
 }}
 @onchange={{action (mut data) value="data"}}
/>
<pre><code>{{json-stringify data null 4}}</code></pre>
</figure>
```

```

page_title: Automated license utilization reporting

description: >-

Learn what data HashiCorp collects to meter Enterprise license utilization. Enable or disable reporting. Review sample payloads and logs.

Automated license utilization reporting

This topic describes how to enable automated license utilization reporting in Consul Enterprise. This feature automatically sends license utilization data to HashiCorp so that you do not have to manually collect and report it. It also enables you to review your license usage with the monitoring solution you already use, such as Splunk and Datadog, as you optimize and manage your deployments.

Introduction

You can use automated license utilization report to understand how much additional networking infrastructure you can deploy under your current contract. This feature helps you protect against overutilization and budget for predicted consumption.

Automated reporting shares the minimum data required to validate license utilization as defined in our contracts. This data mostly consists of computed metrics, and it will never contain Personal Identifiable Information (PII) or other sensitive information. Automated reporting shares the data with HashiCorp

using a secure unidirectional HTTPS API and makes an auditable record in the product logs each time it submits a report. This process is GDPR-compliant.

Requirements

Automated license utilization reporting does not support `_air-gapped installations_`, which are systems with no network interfaces.

The following versions of Consul Enterprise support automated license utilization reporting:

- Consul Enterprise v1.16.0 and newer.
- Patch releases of Consul Enterprise v1.15.4 and newer.
- Patch releases of Consul Enterprise v1.14.8 and newer.
- Patch releases of Consul Enterprise v1.13.9 and newer.

Download a supported release from the [Consul Versions](https://releases.hashicorp.com/consul/) page.

Enable automated reporting

Before you enable automated reporting, make sure that outbound network traffic is configured correctly and upgrade your enterprise product to a version that supports it. If your installation is air-gapped or network settings are not in place, automated reporting will not work.

To enable automated reporting, complete the following steps:

1. [Allow outbound HTTPS traffic on port 443](#allow-outbound-https-traffic)
1. [Check product logs](#check-product-logs)

Allow outbound HTTPS traffic on port 443

Make sure that your network allows HTTPS egress on port 443 from ``https://reporting.hashicorp.services`` by adding the following IP addresses to your allow-list:

- ``100.20.70.12``
- ``35.166.5.222``
- ``23.95.85.111``
- ``44.215.244.1``

Check product logs

Automatic license utilization reporting starts sending data within roughly 24 hours. Check the product logs for records that the data sent successfully.

<CodeBlockConfig hideClipboard>

...

[DEBUG] beginning snapshot export

```

[DEBUG] creating payload
[DEBUG] marshalling
      payload to json
[DEBUG] generating authentication headers
[DEBUG] creating request
[DEBUG] sending request
[DEBUG] performing request: method=POST url=https://census.license.hashicorp.services
[DEBUG] recording audit record
[INFO] reporting: Report sent: auditRecord={"payload":{"payload_version":"1","license_id":"d2cdd857-4202-5a45-70a6-e4b531050c34","product":"consul","product_version":"1.16.0-dev+ent","export_timestamp":"2023-05-26T20:09:13.753921087Z","snapshots":[{"snapshot_version":1,"snapshot_id":"0001J724F90F4XWQDSAA76ZQWA","process_id":"01H1CTJPC1S8H7Q45MKTJ689ZW","timestamp":"2023-05-26T20:09:13.753513962Z","schema_version":"1.0.0","service":"consul","metrics":{"consul.billable.nodes":{"key":"consul.billable.nodes","kind":"counter","mode":"write","value":2},"consul.billable.service_instances":{"key":"consul.billable.service_instances","kind":"counter","mode":"write","value":2}}},"metadata":{}}}
[DEBUG] completed recording audit record
[DEBUG] export finished successfully"
...

```

</CodeBlockConfig>

If

your installation is air-gapped or your network does not allow the correct egress, the logs show an error.

<CodeBlockConfig hideClipboard>

...

```

[DEBUG] reporting: beginning snapshot export
[DEBUG] reporting: creating payload
[DEBUG] reporting: marshalling payload to json
[DEBUG] reporting: generating authentication headers
[DEBUG] reporting: creating request
[DEBUG] reporting: sending request
[DEBUG] reporting: performing request: method=POST url=https://census.license.hashicorp.services
[DEBUG] reporting: error status code received: statusCode=403
...

```

</CodeBlockConfig>

In this case, reconfigure your network to allow egress and check the logs again in roughly 24 hours to confirm that automated reporting works correctly.

Opt out

If your installation is air-gapped or you want to manually collect and report on the same license utilization metrics, you can opt out of automated reporting.

Manually reporting these metrics can be time consuming. Opting

out of automated reporting does not mean that you also opt out from sending license utilization metrics. Customers who opt out of automated reporting are still required to manually collect and send license utilization metrics to HashiCorp.

If you are considering opting out because you are worried about the data, we strongly recommend that you review the [example payloads](#example-payloads) before opting out. If you have concerns with any of the automatically reported data, raise these concerns with your account manager.

There are two methods for opting out of automated reporting:

- HCL configuration (recommended)
- Environment variable (requires restart)

We recommend opting out in your product's configuration file because it does not require a system restart. Add the following block to your `configuration.hcl` or `configuration.json` file.

```
```hcl
reporting {
 license {
 enabled = false
 }
}
```
```

When opting out using an environment variable, the system provides a startup message confirming that you have disabled automated reporting. Set the following environment variable to disable automated reporting:

<CodeBlockConfig>

```
```shell-session
$ export OPTOUT_LICENSE_REPORTING=true
```
```

</CodeBlockConfig>

After you set the environment variable, restart your system to complete the process for opting out.

```
```shell-session
$ consul reload
```
```

Check your product logs roughly 24 hours after opting out to make sure that the system is not trying to send reports. Keep in mind that if your configuration file and environment variable differ, the environment variable setting takes precedence.

Example payloads

HashiCorp collects the following utilization data as JSON payloads:

`exporter\_version` - The version of the licensing exporter

<CodeBlockConfig hideClipboard>

```
```json
{
 "payload": {
 "payload_version": "1",
 "license_id": "d2cdd857-4202-5a45-70a6-e4b531050c34",
 "product": "consul",
 "product_version": "1.16.0-dev+ent",
 "export_timestamp":
 "2023-05-26T20:09:13.753921087Z",
 "snapshots": [
 {
 "snapshot_version": 1,
 "snapshot_id": "0001J724F90F4XWQDSAA76ZQWA",
 "process_id": "01H1CTJPC1S8H7Q45MKTJ689ZW",
 "timestamp": "2023-05-26T20:09:13.753513962Z",
 "schema_version": "1.0.0",
 "service": "consul",
 "metrics": {
 "consul.billable.nodes": {
 "key": "consul.billable.nodes",
 "kind": "counter",
 "mode": "write",
 "value": 2
 },
 "consul.billable.service_instances": {
 "key": "consul.billable.service_instances",
 "kind": "counter",
 "mode": "write",
 "value": 2
 }
 }
 }
],
 "metadata": {}
 }
}
```
```

</CodeBlockConfig>

layout: docs

page_title: Storing the Enterprise License in Vault

description: >-

Configuring the Consul Helm chart to use an enterprise license stored in Vault.

Storing the Enterprise License in Vault

This topic describes how to configure the Consul Helm chart to use an enterprise license stored in Vault.

Overview

Complete the steps outlined in the [Data Integration](/consul/docs/k8s/deployment-configurations/vault/data-integration) section to use an enterprise license stored in Vault.

Complete the following steps once:

1. Store the secret in Vault.
1. Create a Vault policy that authorizes the desired level of access to the secret.

Repeat the following steps for each datacenter in the cluster:

1. Create Vault Kubernetes auth roles that link the policy to each Consul on Kubernetes service account that requires access.
1. Update the Consul on Kubernetes helm chart.

Prerequisites

Prior to setting up the data integration between Vault and Consul on Kubernetes, you will need to have:

1. Read and completed the steps in the [Systems Integration](/consul/docs/k8s/deployment-configurations/vault/systems-integration) section of [Vault as a Secrets Backend](/consul/docs/k8s/deployment-configurations/vault).
2. Read the [Data Integration Overview](/consul/docs/k8s/deployment-configurations/vault/data-integration) section of [Vault as a Secrets Backend](/consul/docs/k8s/deployment-configurations/vault).

Store the Secret in Vault

First, store the enterprise license in Vault:

```
```shell-session
$ vault kv put consul-kv/secret/enterpriselicence key="<enterprise license>"
```
```

Create Vault policy

Next, you will need to create a policy that allows read access to this secret.

The path to the secret referenced in the `path` resource is the same value that you will configure in the `global.enterpriseLicense.secretName` Helm configuration (refer to [Update Consul on Kubernetes Helm chart](#update-consul-on-kubernetes-helm-chart)).

```
<CodeBlockConfig
filename="license-policy.hcl">
```

```
```HCL
path "consul-kv/data/secret/enterpriselicense" {
 capabilities = ["read"]
}
```
```

</CodeBlockConfig>

Apply the Vault policy by issuing the `vault policy write` CLI command:

```
```shell-session
$ vault policy write license-policy license-policy.hcl
```
```

Create Vault Authorization Roles for Consul

Next, you will create Kubernetes auth roles for the Consul server and client:

```
```shell-session
$ vault write auth/kubernetes/role/consul-server \
 bound_service_account_names=<Consul server service account> \
 bound_service_account_namespaces=<Consul installation namespace> \
 policies=license-policy \
 ttl=1h
```
```

```
```shell-session
$ vault write auth/kubernetes/role/consul-client \
 bound_service_account_names=<Consul client service account> \
 bound_service_account_namespaces=<Consul installation namespace> \
 policies=license-policy \
 ttl=1h
```
```

To find out the service account names of the Consul server and client, you can

run the following `helm template` commands with your Consul on Kubernetes values file:

- Generate Consul server service account name

```
```shell-session
$ helm template --release-name ${RELEASE_NAME} -s templates/server-serviceaccount.yaml hashicorp/consul -f values.yaml
```
```

- Generate Consul client service account name

```
```shell-session
$ helm template --release-name ${RELEASE_NAME} -s templates/client-serviceaccount.yaml hashicorp/consul -f values.yaml
```
```

...

Update Consul on Kubernetes Helm chart.

Now that you have configured Vault, you can configure the Consul Helm chart to use the enterprise enterprise license in Vault:

<CodeBlockConfig filename="values.yaml">

```
``yaml
global:
  image: hashicorp/consul-enterprise:1.12.0-ent
  secretsBackend:
    vault:
      enabled: true
      consulServerRole: consul-server
      consulClientRole: consul-client
  enterpriseLicense:
    secretName: consul-kv/data/secret/enterpriselicense
    secretKey: key
``
```

</CodeBlockConfig>

Note

that ``global.enterpriseLicense.secretName`` is the path of the secret in Vault. This should be the same path as the one you included in your Vault policy. ``global.enterpriseLicense.secretKey`` is the key inside the secret data. This should be the same as the key you passed when creating the enterprise license secret in Vault.

{{!

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}}

<Hds::Alert @type='inline' @color={{ or @type "neutral" }} class='mb-2 mt-2 consul-intention-notice-custom-resource' as |A|>

<A.Title>Intention Custom Resource</A.Title>

<A.Description>Some of your intentions are being managed through an Intention Custom Resource in your Kubernetes cluster. Those managed intentions will be view only in the UI. Any intentions created in the UI will work but will not be synced to the Custom Resource Definition (CRD) datastore.</A.Description>

<A.Link::Standalone @href="{{ env 'CONSUL_DOCS_URL' }}/k8s/crds"

@text='Learn more about CRDs'

@icon="docs-link"

@iconPosition="trailing"

@size="small" />

</Hds::Alert>

/**

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*/

```
.consul-intention-permission-form {  
  h2 {  
    border-top: 1px solid var(--token-color-foreground-action);  
    @extend %display-400-semibold;  
  }  
  button.type-submit {  
    @extend %frame-blue-300;  
  }  
  button.type-submit:hover:not(:disabled),  
  button.type-submit:focus:not(:disabled) {  
    @extend %frame-blue-500;  
  }  
  button.type-submit:disabled {  
    @extend %frame-blue-200;  
  }  
}
```

```
.consul-intention-view {  
  h2 {  
    @extend %display-400-semibold;  
  }  
}
```

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layout: docs

page_title: Consul-Terraform-Sync Enterprise License

description: >-

Consul-Terraform-Sync Enterprise License

Consul-Terraform-Sync Enterprise License

<EnterpriseAlert>

Licenses are only required for Consul-Terraform-Sync (CTS) Enterprise

</EnterpriseAlert>

CTS Enterprise binaries require a [Consul Enterprise license](/consul/docs/enterprise/license/overview) to run.
There is no CTS Enterprise specific license. As a result, CTS Enterprise's licensing is very similar to Consul
Enterprise.

All CTS Enterprise features are available with a valid Consul Enterprise license, regardless of your Consul
Enterprise packaging or pricing model.

To get a trial license for CTS, you can sign-up for the [trial license for Consul
Enterprise](/consul/docs/enterprise/license/faq#q-where-can-users-get-a-trial-license-for-consul-enterprise).

Automatic License Retrieval

CTS automatically retrieves a license from Consul on startup and then attempts to retrieve a new license
once a day. If the current license is reaching its expiration date, CTS attempts to retrieve a license with increased
frequency, as defined by the [License Expiration Date Handling](/consul/docs/enterprise/license#license-
expiration-handling).

~> Enabling automatic license retrieval is recommended when using HCP Consul Dedicated, as HCP Consul

Dedicated licenses expire more frequently than Consul Enterprise licenses. Without auto-retrieval enabled, you have to restart CTS every time you load a new license.

Setting the License Manually

If a license needs to be manually set, choose one of the following methods (in order of precedence) to set the license:

1. Set the `CONSUL\_LICENSE` environment variable to the license string.

```
```shell-session
export CONSUL_LICENSE=<LICENSE_VALUE>
```
```

1. Set the `CONSUL\_LICENSE\_PATH` environment variable to the path of the file containing the license.

```
```shell-session
export CONSUL_LICENSE_PATH=<PATH>/<TO>/<FILE>
```
```

1. To point to the file containing the license, in the configuration file, configure the `[`license`](/consul/docs/nia/configuration#license)` path option.

```
```hcl
license {
 path = "<PATH>/<TO>/<FILE>"
}
```
```

1. To point to the file containing the license, in the configuration file, configure the `[`license_path`](/consul/docs/nia/configuration#license_path)` option i. **Deprecated in CTS 0.6.0 and will be removed in a future release. Use `[license block](/consul/docs/nia/configuration#license)` instead.**

```
```hcl
license_path = "<PATH>/<TO>/<FILE>"
```
```

~> **Note**: the `[options to set the license and the order of precedence](/consul/docs/enterprise/license/overview#binaries-without-built-in-licenses)` are the same as Consul Enterprise server agents. Visit the [\[Enterprise License Tutorial\]\(/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs\)](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

Updating the License Manually

To update the license

when it expires or is near the expiration date and automatic license retrieval is disabled:

1. Update the license environment variable or configuration with the new license value or path to the new license file

1. Stop and restart CTS Enterprise

Once CTS Enterprise starts again, it will pick up the new license and run the tasks with any changes that may have occurred between the stop and restart period.

License Expiration Handling

Licenses have an expiration date and a termination date. The termination date is a time at or after the license expires. CTS Enterprise will cease to function once the termination date has passed.

The time between the expiration and termination dates is a grace period. Grace periods are generally 24-hours, but you should refer to your license agreement for complete terms of your grace period.

When approaching expiration and termination, by default, CTS Enterprise will attempt to retrieve a new license. If auto-retrieval is disabled, CTS Enterprise will provide notifications in the system logs:

Time period	Behavior - auto-retrieval enabled (default)	Behavior - auto-retrieval disabled
30 days before expiration	License retrieval attempt every 24-hours	Warning-level log every 24-hours
7 days before expiration	License retrieval attempt every 1 hour	Warning-level log every 1 hour
1 day before expiration	License retrieval attempt every 5 minutes	Warning-level log every 5 minutes
1 hour before expiration	License retrieval attempt every 1 minute	Warning-level log every 1 minute
At or after expiration (before termination)	License retrieval attempt every 1 minute	Error-level log every 1 minute
At or after termination	Error-level log and exit	Error-level log and exit

~> **Note**: Notification frequency and [grace period](/consul/docs/enterprise/license/faq#q-is-there-a-grace-period-when-licenses-expire) behavior is the same as Consul Enterprise.

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}}

{{#if (gt items.length 0)}}

<ListCollection

class="consul-intention-permission-list{{if (not onclick) ' readonly'}}"

@scroll="native"

@items={{ items }}

@partial={{ 5 }}

as |item|>

<BlockSlot @name="details">

```

<div onclick={{action (optional onclick) item}}>
  <strong class={{concat 'intent-' item.Action}}>{{capitalize item.Action}}</strong>
  {{#if (gt item.HTTP.Methods.length 0)}}
    <dl class="permission-methods">
      <dt>
        <Tooltip>
          Methods
        </Tooltip>
      </dt>
      <dd>
        {{#each item.HTTP.Methods as |item|}}
          {{item}}
        {{/each}}
      </dd>
    </dl>
  {{/if}}
  {{#if item.HTTP.Path}}
    <dl class="permission-path">
      <dt>
        <Tooltip>
          {{item.HTTP.PathType}}
        </Tooltip>
      </dt>
      <dd>
        {{item.HTTP.Path}}
      </dd>
    </dl>
  {{/if}}
  {{#each item.HTTP.Header
as |item|}}
    <dl class="permission-header">
      <dt>
        <Tooltip>
          Header
        </Tooltip>
      </dt>
      <dd>
        {{item.Name}} {{route-match item}}
      </dd>
    </dl>
  {{/each}}
</div>
</BlockSlot>
{{#if onclick}}
<BlockSlot @name="actions" as |Actions|>
  <Actions as |Action|>
    <Action data-test-edit-action @onclick={{action (optional onclick) item}} @close={{true}}>
    <BlockSlot @name="label">

```

```

    Edit
  </BlockSlot>
</Action>
<Action data-test-delete-action @onclick={{action ondelete item}} class="dangerous">
  <BlockSlot @name="label">
    Delete
  </BlockSlot>
  <BlockSlot @name="confirmation" as |Confirmation|>
    <Confirmation class="warning">
      <BlockSlot @name="header">
        Confirm delete
      </BlockSlot>
      <BlockSlot @name="body">
        <p>
          Are you sure you
        want to delete this permission?
        </p>
      </BlockSlot>
      <BlockSlot @name="confirm" as |Confirm|>
        <Confirm>Delete</Confirm>
      </BlockSlot>
    </Confirmation>
  </BlockSlot>
</Action>
</Actions>
</BlockSlot>
{{{/if}}
</ListCollection>
{{{/if}}
/*!
* clipboard.js v2.0.11
* https://clipboardjs.com/
*
* Licensed MIT Zeno Rocha
*/

/*!
* focus-trap 6.9.4
* @license MIT, https://github.com/focus-trap/focus-trap/blob/master/LICENSE
*/

/*! *****
Copyright (c) Microsoft Corporation.

```

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*/

/**

* @license

* Copyright 2017 Google LLC

* SPDX-License-Identifier: BSD-3-Clause

*/

/**

* @license

* Copyright 2019 Google LLC

* SPDX-License-Identifier: BSD-3-Clause

*/

layout: commands

page_title: 'Commands: License'

description: >

The license command provides a datacenter-level view of the Consul Enterprise license.

Consul License

Command: `consul license`

<EnterpriseAlert />

The `license` command provides a list of all datacenters that use the Consul Enterprise license applied to the current datacenter.

~> **Warning**: Consul 1.10.0 removed the ability to set and reset the license using the CLI. See the [licensing documentation](/consul/docs/enterprise/license/overview) for more information about Consul Enterprise license management.

If ACLs are enabled then a token with operator privileges may be required in order to use this command. Requests are forwarded internally to the leader if required, so this can be run from any Consul node in a cluster. See the [ACL Guide](/consul/tutorials/security/access-control-setup-production) for more information.

``text

Usage: consul license <subcommand> [options] [args]

This command has subcommands for managing the Consul Enterprise license. Here are some simple examples, and more detailed examples are available in the subcommands or the documentation.

Install a new license from a file:

```
$ consul license put @consul.license
```

Install a new license from stdin:

```
$ consul license put -
```

Install a new license from a string:

```
$ consul license put "<license blob>"
```

Retrieve the current license:

```
$ consul license get
```

Inspect a license:

```
$ consul license inspect "<path to license file>"
```

Reset the current license:

```
$ consul license reset
```

For more examples, ask for subcommand help or view the documentation.

Subcommands:

get	Get the active license
inspect	Inspect a signed license
put	Puts a new license in the datacenter
reset	Resets the license in the datacenter

...

inspect

This command inspects and validates a license. Just like a Consul agent it can load the license from a file on disk or from the ``CONSUL_LICENSE`` and ``CONSUL_LICENSE_PATH`` environment variables.

Usage: ``consul license inspect [<options>] [<license file>]``

Inspect a license contained in a file:

...

```
$ consul license inspect consul.hclic
```

...

Inspect a license loaded from the environment:

...

```
$ consul license inspect
```

...

This will look at the `CONSUL_LICENSE` environment variable first and if not present then we will look for the file specified by the `CONSUL_LICENSE_PATH` environment variable.

The output looks like this:

...

Source: /consul/config/consul.hclic (path from the `CONSUL_LICENSE_PATH` environment variable)

Product: consul

License ID: 6089174b-a713-74cf-4c8d-856b86f1ce50

Customer ID: 7c020610-60a2-7ccb-c210-20d899e5f3b4

Installation ID: *

Issue Time: 2020-09-14 19:45:56.212195875 +0000 UTC

Start Time: 2020-09-14 00:00:00 +0000 UTC

Expiration Time: 2021-09-14 23:59:59.999 +0000 UTC

Termination Time: 2021-09-14 23:59:59.999 +0000 UTC

Modules:

- Global Visibility, Routing and Scale

- Governance and Policy

Features:

- Automated Backups

- Automated Upgrades

- Enhanced Read Scalability

- Network Segments

- Redundancy Zone

- Advanced Network Federation

- Namespaces

- SSO

- Audit Logging

- Admin Partitions

License is valid

...

put

-> **Deprecated** The ability to manage the cluster's license via the CLI was removed in Consul 1.10. While the CLI command still exists it will always return an error. This command will be fully removed in a future release.

Corresponding HTTP API Endpoint: [PUT] /v1/operator/license[/consul/api-docs/operator/license#updating-the-consul-license)

This command sets the Consul Enterprise license.

The table below shows this command's [required ACLs](/consul/api-docs/api-structure#authentication).

Configuration of

[blocking queries](/consul/api-docs/features/blocking) and [agent caching](/consul/api-docs/features/caching) are not supported from commands, but may be from the corresponding HTTP endpoint.

ACL Required	

`operator:write`	

Usage: `consul license put [options] LICENSE`

The output looks like this:

```
```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
 Automated Backups
 Automated Upgrades
 Enhanced Read Scalability
 Network Segments
 Redundancy Zone
 Advanced Network Federation
```
```

API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

get

Corresponding HTTP API Endpoint: `[GET] /v1/operator/license[/consul/api-docs/operator/license#getting-the-consul-license]`

This command gets the Consul Enterprise license. If the leader hasn't been updated with the newer license, the followers will display the outdated license in their GET output.

The table below

shows this command's [required ACLs](/consul/api-docs/api-structure#authentication). Configuration of [blocking queries](/consul/api-docs/features/blocking) and [agent caching](/consul/api-docs/features/caching) are not supported from commands, but may be from the corresponding HTTP endpoint.

ACL Required

`none`

Usage: `consul license get [options]`

The output looks like this:

```
```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
 Automated Backups
 Automated Upgrades
 Enhanced Read Scalability
 Network Segments
 Redundancy Zone
 Advanced Network Federation
```
```

API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

reset

-> **Deprecated** The ability to manage the cluster's license via the CLI was

removed in Consul 1.10. While the CLI command still exists it will always return an error. This command will be fully removed in a future release.

Corresponding HTTP API Endpoint: `[DELETE] /v1/operator/license`(`/consul/api-docs/operator/license#resetting-the-consul-license`)

Resets license for the datacenter to the one builtin in Consul binary, if it is still valid.
If the builtin license is invalid, the current one stays active.

The table below shows this command's [required ACLs](`/consul/api-docs/api-structure#authentication`).
Configuration of [blocking queries](`/consul/api-docs/features/blocking`) and [agent caching](`/consul/api-docs/features/caching`) are not supported from commands, but may be from the corresponding HTTP endpoint.

ACL Required

<code>`operator:write`</code>

Usage: ``consul license reset [options]``

The output looks like this:

```
``text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires
At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
    Automated Backups
    Automated Upgrades
    Enhanced Read Scalability
    Network Segments
    Redundancy Zone
    Advanced Network Federation
...
```

API Options

```
@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */
```

```

.agentless-node-notice .hds-alert__title {
  display: flex;
  justify-content: space-between;
}
Mozilla Public License 2.0 (MPLv2.0)
{
  "name": "envoy.filters.http.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
    "rules": {
      "policies": {
        "consul-intentions-layer7-0": {
          "permissions": [
            {
              "andRules": {
                "rules": [
                  {
                    "andRules": {
                      "rules": [
                        {
                          "urlPath": {
                            "path": {
                              "prefix": "/v1"
                            }
                        }
                      ]
                    },
                    },
                  {
                    "header": {
                      "name": "x-foo",
                      "presentMatch": true
                    }
                  }
                ]
              },
              {
                "notRule": {
                  "andRules": {

                    "rules": [
                      {
                        "urlPath": {
                          "path": {
                            "exact": "/v1/secret"
                          }
                        }
                      }
                    ],
                  },
                }
              }
            ]
          }
        }
      }
    }
  }
}

```

```

    {
      "header": {
        "name": "x-baz",
        "presentMatch": true
      }
    },
    {
      "header": {
        "name": "x-bar",
        "presentMatch": true
      }
    }
  ]
}
},
{
  "notRule": {
    "andRules": {
      "rules": [
        {
"urlPath": {
  "path": {
    "exact": "/v1/admin"
  }
},
{
  "header": {
    "name": "x-baz",
    "presentMatch": true
  }
},
{
  "header": {
    "name": "x-bar",
    "presentMatch": true
  }
}
]
}
}
}
},
{

```

```

    "andRules": {
      "rules": [
        {
          "andRules": {
            "rules": [
              {

"urlPath": {
          "path": {
            "prefix": "/v2"
          }
        },
        {
          "header": {
            "name": "x-foo",
            "presentMatch": true
          }
        }
      ]
    },
    {
      "notRule": {
        "andRules": {
          "rules": [
            {
              "urlPath": {
                "path": {
                  "exact": "/v2/secret"
                }
              },
              {
                "header": {
                  "name": "x-baz",
                  "presentMatch":
true
                }
              },
              {
                "header": {
                  "name": "x-bar",
                  "presentMatch": true
                }
              }
            ]
          }
        }
      }
    }
  ]
}

```



```

}
}
{
  "name": "envoy.filters.http.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
    "rules": {
      "policies": {
        "consul-intentions-layer7-0": {
          "permissions": [
            {
              "andRules": {
                "rules": [
                  {
                    "urlPath": {
                      "path": {
                        "prefix": "some-path"
                      }
                    }
                  }
                ],
              },
            },
            {
              "andRules": {
                "rules": [
                  {
                    "metadata": {
                      "filter": "envoy.filters.http.jwt_authn",
                      "path": [
                        {
                          "key": "jwt_payload_okta"
                        },
                        {
                          "key": "iss"
                        }
                      ],
                      "value": {
                        "stringMatch": {
                          "exact": "mytest.okta-issuer"
                        }
                      }
                    }
                  }
                ],
              },
            },
            {
              "metadata": {
                "filter": "envoy.filters.http.jwt_authn",
                "path": [
                  {
                    "key": "jwt_payload_okta"
                  }
                ],
              },
            },
          ],
        },
      },
    },
  },
}

```



```

@extend %license-route-learn-more;
}

%license-route h2 {
  @extend %display-400-semibold;
}

%license-validity p {
  color: var(--token-color-foreground-faint);
}
%license-validity dl {
  @extend %horizontal-kv-list;
  @extend %body-300-regular;
}
%license-validity dl .expired + dd {
  @extend %visually-hidden;
}
%license-validity dl dt::before {
  content: ";
  margin-right: 0.25rem; /* 4px */
}
%license-validity dl .expired::before {
  --icon-name: icon-x-circle;
  --icon-color: var(--token-color-foreground-critical);
}
%license-validity dl .warning::before {
  --icon-name: icon-alert-circle;
  --icon-color: var(--token-color-foreground-warning);
}
%license-validity dl .valid:not(.warning)::before {
  --icon-name: icon-check-circle;
  --icon-color: var(--token-color-foreground-success);
}

%license-route-learn-more
{
  @extend %panel;
  box-shadow: none;
  padding: var(--padding-y) var(--padding-x);
  width: 40%;
  min-width: 413px;
  margin-top: 1rem; /* 16px */
}
%license-route-learn-more header > :first-child {
  @extend %display-300-semibold;
}
%license-route-learn-more header {
  margin-bottom: 1rem; /* 16px */
}

```

```

}
{{!
Copyright (c) HashiCorp, Inc.
SPDX-License-Identifier: BUSL-1.1
}}

```

```

<Route
  @name={{routeName}}
as |route|>
  <DataLoader
    @src={{
      uri '${{partition}}/${{namespace}}/${{dc}}/license'
      (hash
        partition=route.params.partition
        namespace=route.params.namespace
        dc=route.params.dc
      )
    }}
  as |loader|>

```

```

{{#let
  loader.data
as |item|}}
  <BlockSlot @name="error">
    <ErrorState
      @error={{loader.error}}
      @login={{route.model.app.login.open}}
    />
  </BlockSlot>

```

```

<BlockSlot @name="disconnected" as |after|>
  {{#if (eq loader.error.status "404")}}
    <Hds::Toast @color='warning'
      {{notification
        sticky=true
      }} as |T|>
    <T.Title>Warning!</T.Title>
    <T.Description>This service has been deregistered and no longer exists in the catalog.</T.Description>
  </Hds::Toast>
  {{else if (eq loader.error.status "403")}}
    <Hds::Toast @color='critical'
      {{notification
        sticky=true
      }} as |T|>
    <T.Title>Error!</T.Title>
    <T.Description>You no longer have access to this service.</T.Description>
  </Hds::Toast>
  {{else}}

```

```

<Hds::Toast @color='warning'
  {{notification
    sticky=true
  }} as |T|>
  <T.Title>Warning!</T.Title>
  <T.Description>An error was returned whilst loading this data, refresh to try again.</T.Description>
</Hds::Toast>
{{/if}}
</BlockSlot>

```

```

<BlockSlot @name="loaded">
  <div class="tab-section">
    <section
      class={{class-map
        'validity'
        (array 'valid' item.Valid)
      }}
    >
      <header>
        <h2>
          {{compute (fn route.t 'expiry.header')}}
        </h2>
      </header>

      <p>
        {{compute (fn route.t 'expiry.${type}.body'
          (hash
            type=(if item.Valid 'valid' 'expired')
          )
        )
        date=(format-time item.License.expiration_time
          year='numeric'
          month='long'
          day='numeric'
        )
        time=(format-time item.License.expiration_time
          hour12=true
          hour='numeric'
          hourCycle='h12'
          minute='numeric'
          second='numeric'
          timeZoneName='short'
        )
        htmlSafe=true
      }}
    </p>

    <dl>

```

```

<dt class={{class-map
  (array 'valid' item.Valid)
  (array 'expired' (not item.Valid))
  (array 'warning' (temporal-within item.License.expiration_time 2629800000))
}}
>
  {{compute (fn route.t 'expiry.${type}.header'
    (hash
      type=(if item.Valid 'valid' 'expired')
    )
  )}}
</dt>

<dd>
  {{temporal-format item.License.expiration_time}}
</dd>
</dl>

<aside>
  <header>
    <h3>
      {{compute (fn route.t 'documentation.title')}}
    </h3>
  </header>
  <div class="flex gap-1.5 flex-col">
    <Hds::Link::Standalone
      @text={{compute (fn route.t 'documentation.links.license-expiration.text')}}
      @href={{concat (env 'CONSUL_DOCS_URL') (compute (fn route.t 'documentation.links.license-
expiration.link'))}}'
      @icon='docs-link'
      @iconPosition='trailing'
    />
    <Hds::Link::Standalone
      @text={{compute (fn route.t 'documentation.links.renewing-license.text')}}
      @href={{concat (env 'CONSUL_DOCS_URL') (compute (fn route.t 'documentation.links.renewing-
license.link'))}}'
      @icon='docs-link'
      @iconPosition='trailing'
    />
    <Hds::Link::Standalone
      @text={{compute (fn route.t 'documentation.links.applying-new-license.text')}}
      @href={{concat (env 'CONSUL_DOCS_URL') (compute (fn route.t 'documentation.links.applying-new-
license.link'))}}'
      @icon='docs-link'
      @iconPosition='trailing'
    />
  </div>

```

```

</aside>

</section>
</div>
</BlockSlot>
{{/let}}
</DataLoader>
</Route>
// Copyright (c) HashiCorp, Inc.
// SPDX-License-Identifier: MPL-2.0

package api

import (
    "io"
    "strings"
    "time"
)

type License struct {
    // The unique identifier of the license
    LicenseID string `json:"license_id"`

    // The customer ID associated with the license
    CustomerID string `json:"customer_id"`

    // If set, an identifier that should be used to lock the license to a
    // particular site, cluster, etc.
    InstallationID string `json:"installation_id"`

    // The time at which the license was issued
    IssueTime time.Time `json:"issue_time"`

    // The time at which the license starts being valid
    StartTime time.Time `json:"start_time"`

    // The time after which the license expires
    ExpirationTime time.Time `json:"expiration_time"`

    // The time at which the license ceases to function and can
    // no longer be used in any capacity
    TerminationTime time.Time `json:"termination_time"`

    // Whether the license will ignore termination
    IgnoreTermination bool `json:"ignore_termination"`

    //

```

```

The product the license is valid for
Product string `json:"product"`

// License Specific Flags
Flags map[string]interface{} `json:"flags"`

// Modules is a list of the licensed enterprise modules
Modules []string `json:"modules"`

// List of features enabled by the license
Features []string `json:"features"`
}

type LicenseReply struct {
    Valid    bool
    License  *License
    Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
    var reply LicenseReply
    if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
        return nil, err
    } else {
        return &reply, nil
    }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
    r := op.c.NewRequest("GET", "/v1/operator/license")
    r.params.Set("signed", "1")
    r.setQueryOptions(q)
    _, resp, err := op.c.doRequest(r)
    if err != nil {
        return "", err
    }
    defer closeResponseBody(resp)
    if err := requireOK(resp); err != nil {
        return "", err
    }

    data, err := io.ReadAll(resp.Body)
    if
    err != nil {
        return "", err
    }

    return string(data), nil
}

```

```

}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
//
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set via agent configuration instead of through the API
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("DELETE", "/v1/operator/license")
    r.setWriteOptions(opts)
    _, resp, err := op.c.doRequest(r)
    if err != nil {
        return nil, err
    }
    defer closeResponseBody(resp)
    if err := requireOK(resp); err != nil {
        return nil, err
    }
    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
    return &reply, nil
}

// LicensePut will configure the Consul Enterprise license for the target datacenter
//
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set
// via agent configuration instead of through the API
func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
    var reply LicenseReply
    r := op.c.newRequest("PUT", "/v1/operator/license")
    r.setWriteOptions(opts)
    r.body = strings.NewReader(license)
    _, resp, err := op.c.doRequest(r)
    if err != nil {
        return nil, err
    }
    defer closeResponseBody(resp)
    if err := requireOK(resp); err != nil {
        return nil, err
    }

    if err := decodeBody(resp, &reply); err != nil {
        return nil, err
    }
}

```



```

return &reply, nil
}
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */

```

```

.consul-intention-permission-header-list {
  dt::before {
    @extend %with-glyph-icon;
    content: 'H';
  }
}
/**

```

```

 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */

```

```

.consul-intention-permission-list {
  dt::before {
    @extend %with-glyph-icon;
  }
  dl.permission-methods dt::before {
    content: 'M';
  }
  dl.permission-path dt::before {
    content: 'P';
  }
  dl.permission-header dt::before {
    content: 'H';
  }
}

```

layout: docs

page_title: Enterprise Licenses

description: >-

Consul Enterprise server, client, and snapshot agents require a license on startup in order to use Enterprise features. Learn how to apply licenses using environment variables or configuration files.

Consul Enterprise License

Licensing Overview

All Consul Enterprise agents must be licensed when they are started. Where that license comes from will depend on which binary is in use, whether the agent is a server, client or snapshot agent, and whether ACLs have been enabled for the cluster.

-> **Consul Enterprise 1.10.0 removed temporary licensing.** Prior to 1.10.0, Consul Enterprise agents could start without a license and then have a license applied to them later on via the CLI or API. That functionality has been removed and replaced with the ability to load licenses from the agent's configuration or environment. Also, prior to 1.10.0, server agents would automatically propagate the license between themselves.

This no longer occurs and the license must be present on each server agent when it is started.

Consul Enterprise 1.14.0, when running on Kubernetes, removed client agents and replaced these with virtual agents.

Virtual agents are nodes that Consul service mesh services run on. HashiCorp uses virtual agents to determine license entitlements for customers on per-node licensing and pricing agreements.

-> Visit the [\[Enterprise License Tutorial\]\(/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs\)](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

Applying a License

For Consul Enterprise 1.10.0 or greater, a license must be available at the time the agent starts.

For server agents this means that they must either have the `[`license_path`](/consul/docs/agent/config/config-files#license_path)`

configuration set or have a license configured in the servers environment with the ``CONSUL_LICENSE`` or ``CONSUL_LICENSE_PATH`` environment variables. Both the configuration

item and the ``CONSUL_LICENSE_PATH``

environment variable point to a file containing the license whereas the ``CONSUL_LICENSE`` environment variable should contain the license as the value. If multiple variables are set, the following order of precedence applies:

1. ``CONSUL_LICENSE`` environment variable
2. ``CONSUL_LICENSE_PATH`` environment variable
3. ``license_path`` configuration item.

Client agents and [\[snapshot agents\]\(/consul/docs/enterprise/backups\)](/consul/docs/enterprise/backups)

may also be licensed in the very same manner.

However, to avoid the need to configure the license on many client agents and snapshot agents, those agents have the capability to retrieve the license automatically under the conditions described below.

Virtual agents do not need the license to run.

Updating the license for an agent depends on the method you used to apply the license.

- **If you used the ``CONSUL_LICENSE``**

environment variable: After updating the environment variable, restart the affected agents.

- **If you used the**

``CONSUL_LICENSE_PATH``

environment variable: Update the license file first. Then, restart the affected agents.

- **If you used the ``license_path`` configuration item**: Update the license file first. Then, run `[`consul reload`](/consul/commands/reload)` for the affected agents.

Client Agent License Retrieval

When a client agent starts without a license in its configuration or environment, it will try to retrieve the license from the servers via RPCs. That RPC always requires a valid non-anonymous ACL token to authorize the request but the token doesn't need any particular permissions. As the license is required before the client actually joins the cluster, where to make those RPC requests to is inferred from the `[`retry_join`](/consul/docs/agent/config/config-files#retry_join)` configuration. If ``retry_join`` is unset or no `[`agent` token](/consul/docs/agent/config/config-files#acl_tokens_agent)` is set then the client agent will immediately shut itself down.

If all preliminary checks

pass the client agent will attempt to reach out to any server on its RPC port to request the license. These requests will be retried for up to 5 minutes and if it is unable to retrieve a license within that time frame it will shut itself down.

If ACLs are disabled then the license must be provided to the client agent through one of the three methods listed below.

Failure in providing the client agent with a licence will prevent the client agent from joining the cluster.

1. ``CONSUL_LICENSE`` environment variable
2. ``CONSUL_LICENSE_PATH`` environment variable
3. ``license_path`` configuration item.

Snapshot Agent License Retrieval

The snapshot agent has similar functionality to the client agent for automatically retrieving the license. However, instead of requiring a server agent to talk to, the snapshot agent can request the license from the server or client agent it would use for all other operations. It still requires an ACL token to authorize the request. Also like client agents,

the snapshot agent will shut itself down after being unable to retrieve the license for 5 minutes.

/**

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*/

```
.consul-intention-permission-list {
```

```
  .detail > div {
```

```
    display: flex;
```

```
    width: 100%;
```

```
  }
```

```
  strong {
```

```
    margin-right: 8px;
```

```
  }
```

```
}
```

```
{{!
```

```
  Copyright (c) HashiCorp, Inc.
```

```
  SPDX-License-Identifier: BUSL-1.1
```

```
}}
```

```
{{#if isVisible}}
```

```
<Hds::Alert @type="inline" class='mb-3 mt-2 agentless-node-notice' data-test-node-agentless-notice as |A|>
```

```
<A.Title>
```

```
<span>{{t 'routes.dc.nodes.index.agentless.notice.header'}}</span>
```

```
<Hds::Button
```

```
  @color='secondary'
```

```
  @text='Dismiss notice'
```

```
  {{on 'click' this.dismissAgentlessNotice}}
```

```
  @icon='x'
```

```
  @size='small'
```

```
  @isIconOnly={{true}}
```

```
/>
```

```
</A.Title>
```

```
<A.Description>{{t 'routes.dc.nodes.index.agentless.notice.body'}}</A.Description>
```

```
<A.Link::Standalone @href='{{env "CONSUL_DOCS_DEVELOPER_URL"}}/connect/dataplane'
```

```
  @text={{t 'routes.dc.nodes.index.agentless.notice.footer'}}>
```

```
  @icon='docs-link'
```

```
  @iconPosition='trailing' />
```

```
</Hds::Alert>
```

```
{{/if}}
```

```
/*!
```

```
* QUnit 2.19.4
```

```
* https://qunitjs.com/
```

```
*
```

```
* Copyright OpenJS Foundation and other contributors
```

```
* Released under the MIT license
```

```
* https://jquery.org/license
```

```
*/
```

```
{{!
```

```
Copyright (c) HashiCorp, Inc.
```

```
SPDX-License-Identifier: BUSL-1.1
```

```
}}
```

```
<Hds::Alert @type="inline" class="mb-3 mt-2" as |A|>
```

```
<A.Description>{{t "components.consul.intention.notice.permissions.body"}}</A.Description>
```

```
<A.Link::Standalone
```

```
  @text={{t "components.consul.intention.notice.permissions.footer"}}>
```

```
  @href="{{env 'CONSUL_DOCS_URL'}}/connect/intentions"
```

```
  @icon="docs-link"
```

```
  @iconPosition="trailing"
```

```
  @size="small"
```

```
/>
```

```
</Hds::Alert>
```

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{

"name": "envoy.filters.http.jwt_authn",

"typedConfig": {

```

"@type": "type.googleapis.com/envoy.extensions.filters.http.jwt_authn.v3.JwtAuthentication",
"providers": {
  "auth0": {
    "issuer": "another-issuer",
    "payloadInMetadata": "jwt_payload_auth0",
    "remoteJwks": {
      "asyncFetch": {
        "fastListener": true
      },
      "httpUri": {
        "cluster": "jwks_cluster_auth0",
        "timeout": "1s",
        "uri": "https://example-auth0.com/.well-known/jwks.json"
      }
    }
  },
  "okta": {
    "issuer": "test-issuer",
    "payloadInMetadata": "jwt_payload_okta",
    "remoteJwks": {
      "asyncFetch": {
        "fastListener": true
      },
      "httpUri": {
        "cluster": "jwks_cluster_okta",
        "timeout": "1s",
        "uri": "https://example-okta.com/.well-known/jwks.json"
      }
    }
  }
},
"rules": [
  {
    "match": {
      "prefix": "/"
    },
    "requires": {
      "requiresAll": {
        "requirements": [
          {
            "requiresAny": {
              "requirements": [
                {
                  "providerName": "okta"
                }
              ]
            }
          },
          {
            "allowMissingOrFailed": {}
          }
        ]
      }
    }
  }
]

```



```

</span>
<div role="radiogroup" class={{ if changeset.error.Action ' has-error'}}>
  {{#each intents as |intent|}}
    <label>
      <span>{{ capitalize intent }}</span>
      <input
        type="radio"
        name="Action"
        value={{ intent }}
        checked={{ if (eq changeset.Action intent) 'checked'}}
        onchange={{ action (changeset-set changeset 'Action') value="target.value"}}
      />
    </label>
  {{/each}}
</div>
</div>
</fieldset>

<fieldset>
  <header>
    <h2>Path</h2>
  </header>
  <div>
    <group.Element
      @name="PathType"
      @type="select"
    as |el|>
      <el.Label>
        Path type
      </el.Label>
      <PowerSelect
        @options={{ pathTypes }}
        @selected={{ pathType }}
        @onChange={{ action 'change' 'HTTP.PathType' changeset }} as |Type|>
          {{ get pathLabels Type }}
        </PowerSelect>
      </group.Element>

    {{#if shouldShowPathField}}
      <group.Element
        @name="Path"
        @error={{ changeset-get changeset 'error.HTTP.Path'}}
      as |el|>
        <el.Label>
          {{ get pathLabels pathType }}
        </el.Label>
        <el.Text
          @value={{ changeset-get changeset 'HTTP.Path'}}

```

```

        oninput={{action 'change' 'HTTP.Path' changeset}}
    />
    <State @state={{el.state}} @matches="error">
        <el.Error>

            {{#if (eq (changeset-get changeset 'HTTP.Path') 'Regex')}}
                Path Regex should not be blank
            {{else}}
                Path should begin with a '/'
            {{/if}}
        </el.Error>
    </State>
</group.Element>
{{/if}}

</div>
</fieldset>

<fieldset>
    <h2>Methods</h2>
    <div class="type-toggle">
        <span>All methods are applied by default unless specified</span>
        <group.Element
            @name="allMethods"
            as |el|>
            <el.Checkbox
                checked={{if allMethods 'checked'}}
                onchange={{action 'change' 'allMethods' changeset}}
            />
            <el.Label>
                All Methods
            </el.Label>
        </group.Element>
    </div>

    {{#if shouldShowMethods}}
    <div class="checkbox-group" role="group">
        {{#each methods as |method|}}
        <label class="type-checkbox">
            <input
                type="checkbox"
                name="method"
                value={{method}}

                checked={{if (includes method changeset.HTTP.Methods) 'checked'}}
                onchange={{action 'change' 'method' changeset}}
            />
            <span>{{method}}</span>
        </label>
        </div>
    {{/if}}

```

```

        </label>
      {{/each}}
    </div>
  {{/if}}
</fieldset>

<fieldset>
  <h2>Headers</h2>

  <Consul::Intention::Permission::Header::List
    @items={{ changeset-get changeset 'HTTP.Header' }}
    @ondelete={{ action 'delete' 'HTTP.Header' changeset }}
    as |headerList|>

    </Consul::Intention::Permission::Header::List>

    <Consul::Intention::Permission::Header::Form
      @onsubmit={{ action 'add' 'HTTP.Header' changeset }}
      as |headerForm|>
        <Ref @target={{ this }} @name="headerForm" @value={{ headerForm }} />
      </Consul::Intention::Permission::Header::Form>

      <Hds::ButtonSet>
        <Hds::Button
          data-test-add-header
          @text='Add{{ if (gt (get (changeset-get changeset 'HTTP.Header') 'length') 0) ' another' '' }} header'
          @color='primary'
          disabled={{ if (not this.headerForm.isDirty)
'disabled' }}
          onclick={{ action this.headerForm.submit }}
        />
        <Hds::Button
          @text='Cancel'
          @color='secondary'
          onclick={{ action this.headerForm.reset }}
        />
      </Hds::ButtonSet>
    </fieldset>
  </FormGroup>
</div>

```

**1.79 x-exp 0.0.0-20240604190554-
fc45aab8b7f8**

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GET	/operator/license	application/json

The table below shows this endpoint's support for
[blocking queries](/consul/api-docs/features/blocking),
[consistency modes](/consul/api-docs/features/consistency),
[agent caching](/consul/api-docs/features/caching), and
[required ACLs](/consul/api-docs/api-structure#authentication).

Blocking Queries	Consistency Modes	Agent Caching	ACL Required
NO	all	none	none

The corresponding CLI command is [consul license get](/consul/commands/license#get).

Query Parameters

- dc (string: "") - Specifies the datacenter whose license should be retrieved.
This will default to the datacenter of the agent serving the HTTP request.

Sample Request

```
```shell-session
$ curl \
 http://127.0.0.1:8500/v1/operator/license
```
```

Sample Response

```
```json
{
 "Valid": true,
 "License": {
 "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
 "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
 "installation_id": "*",
 "issue_time": "2018-05-21T20:03:35.911567355Z",
 "start_time": "2018-05-21T04:00:00Z",
 "expiration_time": "2019-05-22T03:59:59.999Z",
 "product": "consul",
 "flags": {
 "package": "premium"
 },
 "features": [
 "Automated Backups",
 "Automated Upgrades",

 "Enhanced Read Scalability",
 "Network Segments",
 "Redundancy Zone",
 "Advanced Network Federation"
],
 "temporary": false
 },
 "Warnings": []
}
```
```

Updating the Consul License

-> **Deprecated** This endpoint was removed in Consul v1.10.0 along with the ability to manage the cluster's license via the API.

This endpoint updates the Consul license and returns some of the license contents as well as any warning messages regarding its validity.

Method	Path	Produces
PUT	/operator/license	application/json

The table below shows this endpoint's support for
 [blocking queries](/consul/api-docs/features/blocking),
 [consistency modes](/consul/api-docs/features/consistency),
 [agent caching](/consul/api-docs/features/caching), and
 [required ACLs](/consul/api-docs/api-structure#authentication).

Blocking Queries	Consistency Modes	Agent Caching	ACL Required
-----	-----	-----	-----
`NO`	`none`	`none`	`operator:write`

The corresponding CLI command is [`consul license put`](/consul/commands/license#put).

Query Parameters

- `dc` (string: "")` - Specifies the datacenter whose license should be updated.
 This will default to the datacenter of the agent serving the HTTP request.`

Sample Payload

The payload is the raw license blob.

Sample Request

```
``shell-session
$ curl \
  --request PUT \
  --data @consul.license \
  http://127.0.0.1:8500/v1/operator/license
``
```

Sample Response

```
``json
{
  "Valid": true,
  "License": {
    "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
    "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
    "installation_id": "*",
    "issue_time": "2018-05-21T20:03:35.911567355Z",
    "start_time": "2018-05-21T04:00:00Z",
    "expiration_time": "2019-05-22T03:59:59.999Z",
    "product":
      "consul",
    "flags": {
      "package": "premium"
    }
  },
}
```

```

"features": [
  "Automated Backups",
  "Automated Upgrades",
  "Enhanced Read Scalability",
  "Network Segments",
  "Redundancy Zone",
  "Advanced Network Federation"
],
"temporary": false
},
"Warnings": []
}
```

```

## ## Resetting the Consul License

-> **Deprecated** This endpoint was removed in Consul v1.10.0 along with the ability to manage the cluster's license via the API.

This endpoint resets the Consul license to the license included in the Enterprise binary. If the included license is not valid, the replace will fail.

| Method | Path              | Produces         |
|--------|-------------------|------------------|
| DELETE | /operator/license | application/json |

The table below shows this endpoint's support for [blocking queries](/consul/api-docs/features/blocking), [consistency modes](/consul/api-docs/features/consistency), [agent caching](/consul/api-docs/features/caching), and [required ACLs](/consul/api-docs/api-structure#authentication).

| Blocking Queries | Consistency Modes | Agent Caching | ACL Required   |
|------------------|-------------------|---------------|----------------|
| NO               | none              | none          | operator:write |

The corresponding CLI command is [consul license reset](/consul/commands/license#reset).

## ### Query Parameters

- dc (string: "") - Specifies the datacenter whose license should be updated. This will default to the datacenter of the agent serving the HTTP request.

## ### Sample Request

```

shell-session
$ curl \

```

```
--request DELETE \
http://127.0.0.1:8500/v1/operator/license
```
```

Sample Response

```
```json
{
 "Valid": true,
 "License": {
 "license_id": "2afbf681-0d1a-0649-cb6c-333ec9f0989c",
 "customer_id": "0259271d-8ffc-e85e-0830-c0822c1f5f2b",
 "installation_id": "*",
 "issue_time": "2018-05-21T20:03:35.911567355Z",
 "start_time": "2018-05-21T04:00:00Z",
 "expiration_time": "2019-05-22T03:59:59.999Z",
 "product": "consul",
 "flags": {
 "package": "premium"
 },
 "features": [
 "Automated Backups",
 "Automated Upgrades",
 "Enhanced Read Scalability",
 "Network Segments",
 "Redundancy Zone",
 "Advanced Network Federation"
],
 "temporary": false
 },
 "Warnings": []
}
```
```

```
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */
```

```
@import './skin';
@import './layout';
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */
```

```
.consul-intention-permission-form {
  h2 {
    padding-top: 1.4em;
```

```

margin-top: 0.2em;
margin-bottom: 0.6em;
}
.consul-intention-permission-header-form {
margin-top: 10px;
}
fieldset:nth-child(2) > div,
.consul-intention-permission-header-form fieldset > div {
display: grid;
grid-template-columns: repeat(auto-fit, minmax(160px, 1fr));
grid-gap: 12px;
}
fieldset:nth-child(2) > div label:last-child {
grid-column: span 2;
}
.ember-basic-dropdown-trigger {
padding: 5px;
}
.checkbox-group {
flex-direction: column;
}
}
/**
* Copyright (c) HashiCorp, Inc.
* SPDX-License-Identifier: BUSL-1.1
*/

```

```

@import './skin';
@import './layout';
.consul-intention-permission-list > ul > li {
@extend %list-row-200;
}
.consul-intention-permission-list:not(.readonly) > ul > li {
@extend %with-composite-row-intent;
}
.consul-intention-permission-list strong {
@extend %pill-500;
}
.consul-intention-permission-list .intent-allow {
@extend %pill-allow;
}
.consul-intention-permission-list .intent-deny {
@extend %pill-deny;
}

```

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layout: docs

page_title: Enterprise License FAQ

description: >-

Review frequently asked questions (FAQs) about Consul Enterprise licenses to learn more about how licenses work, what happens when they expire, and how to get a trial license.

Frequently Asked Questions (FAQ)

This FAQ is for the license changes introduced in Consul Enterprise version 1.10.0. Consul Enterprise automatically loads Consul licenses when the server agent starts.

Q: Can I get a quick summary of the Consul changes?

Starting with Consul Enterprise 1.10.0, the license enablement process is different.

HashiCorp Enterprise servers will no longer start without a license. Servers require licenses to be provided from either an environment variable or file.

If the license is missing, invalid, or expired, the server will immediately exit.

This check is part of the server boot-up process.

In previous versions of HashiCorp enterprise products, one server could distribute a license to other servers via the Raft protocol.

This will no longer work since each server must be able to find a valid license during the startup process.

Q: What are the upgrade requirements?

All customers on Consul Enterprise 1.8/1.9 must first upgrade their client and server agents to the latest patch release.

During the upgrade the license file must also be configured on client agents in an environment variable or file path, otherwise the Consul agents will fail to retrieve the license with a valid agent token.

The upgrade process varies if ACLs are enabled or disabled in the cluster.

Refer to the instructions on [upgrading to 1.10.x](/consul/docs/upgrading/instructions/upgrade-to-1-10-x) for details.

Q: Is there a tutorial available for the license configuration steps?

Please visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs).

Q: What resources are available?

The list below is a great starting point for learning more about the license changes introduced in Consul Enterprise 1.10.0+ent.

- [Consul Enterprise Upgrade Documentation](/consul/docs/enterprise/upgrades)

- [Consul License Documentation](/consul/docs/enterprise/license/overview)

- [License configuration values documentation](/consul/docs/enterprise/license/overview#binaries-without-built-in-licenses)

- [Install a HashiCorp Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs)

Q: Do these changes impact all customers/licenses?

The license changes introduced in 1.10.0 only affect Consul Enterprise.

This impacts customers that have an enterprise binary (trial or non-trial licenses) downloaded from <https://releases.hashicorp.com>.

The license changes do not impact customers with the baked-in licensed binaries. In a later release of Consul Enterprise, baked-in binaries will be deprecated.

Q: What is the product behavior change introduced by the licensing changes?

Starting with Consul Enterprise 1.10.0,

a valid license is required on-disk (auto-loading) or as an environment variable for Consul Enterprise to successfully boot-up.

The in-storage license feature will not be supported starting with Consul Enterprise 1.10.0+ent. All Consul Enterprise clusters using 1.10.0+ent must ensure that there is a valid license on-disk (auto-loaded) or as an environment variable.

Q: What is the impact on trial licenses due to this change? ((#q-what-is-the-impact-on-evaluation-licenses-due-to-this-change))

Consul Enterprise 1.10.0+ server agents require a valid license to start.

The license can be provided on disk (auto-loaded) or as an environment variable.

There is no longer a 6-hour trial period in which Consul Enterprise server agents can operate without a license.

Q: Is there a grace period when licenses expire?

Yes Consul will continue normal operation and can be restarted after license *expiration* as defined in `[`expiration_time`](/consul/api-docs/operator/license#getting-the-consul-license)`.

As

license expiration is approached or passed, Consul will issue warnings in the system logs.

Consul will only cease operation after license *termination*, which occurs 10 years after license expiration and is defined in

`[`termination_time`](/consul/api-docs/operator/license#getting-the-consul-license)`.

~> **Starting with Consul 1.14, and patch releases 1.13.3 and 1.12.6, Consul will support non-terminating licenses**:

Please contact your support representative for more details on non-terminating licenses.

An expired license will not allow Consul versions released after the expiration date to run.

It will not be possible to upgrade to a new version of Consul released after license expiration.

Q: Does this affect client agents?

There are upgrade requirements that affect Consul Enterprise clients.

Please review the `[upgrade requirements](#q-what-are-the-upgrade-requirements)` documentation.

Q: Does this affect snapshot agents?

Same behavior as Consul clients.

See answer for [Does this affect client agents?](#q-does-this-affect-client-agents)

Q: What is the behavior if the license is missing?

Consul server agents will detect the absence of the license and immediately exit.

Consul client agents will attempt to retrieve the license from servers if certain conditions are met:

- ACLs are enabled.
- An ACL token is provided to the client agent.
- The client agents configuration contains `retry\_join` addresses.
- The retry join addresses are addresses of the Consul servers.

Consul snapshot agents will attempt to retrieve the license from servers if certain conditions are met: ACLs are enabled, a ACL token is provided to the client agent, the client agents configuration contains `retry\_join` addresses, the retry join addresses are addresses of the Consul servers.

Q: Where can users get a trial license for Consul Enterprise?

Contact your [HashiCorp Support contact](https://support.hashicorp.com/) for a development license.

~> **Trial**

install will cease operation 24 hours after 30-day license expiration**:**

Trial licenses are not meant to be used in production.

This is unlike non-trial licenses which provide a 10 year grace period as described in

the answer for [Q: Is there a grace period when licenses expire?](#q-is-there-a-grace-period-when-licenses-expire).

Q: How can I renew a license?

Contact your organization's [HashiCorp account team](https://support.hashicorp.com/hc/en-us) for information on how to renew your organization's enterprise license.

Q: I'm an existing enterprise customer but don't have my license, how can I get it?

Contact your organization's [HashiCorp account team](https://support.hashicorp.com/hc/en-us) for information on how to renew your organization's enterprise license.

Q: Are the license files locked to a specific cluster?

The license files are not locked to a specific cluster or cluster node. The above changes apply to all nodes in a cluster.

Q: Will this

impact HCP Consul Dedicated?

This will not impact HCP Consul Dedicated.

Q: Does this need to happen every time a node restarts, or is this a one-time check?

Consul Enterprise binaries starting with 1.10.0+ent, will be subject to EULA check. Release 1.10.0+ent introduces the EULA check for trial licenses (non-trial licenses already go through EULA check during contractual agreement).

The agreement to a EULA happens only once (when the user gets their license), Consul Enterprise **will** check for the presence of a valid license every time a node restarts**.**

When a customer upgrades existing clusters to a 1.10.0+ent release, they need to have a valid license to successfully upgrade. This valid license must be auto-loaded.

When a customer deploys new clusters to a 1.10.0+ent release, they need to have a valid license to successfully upgrade. This valid license must be on-disk (auto-loaded).

Q: What are the scenarios that a customer must plan for because of these changes?

New

Consul cluster deployments using 1.10.0+ent will need to have a valid license on servers to successfully deploy. This valid license must be on-disk (auto-loaded) or as an environment variable. Please see the [upgrade requirements](/consul/docs/enterprise/license/faq#q-what-are-the-upgrade-requirements).

Q: What is the migration path for customers who want to migrate from their existing license-as-applied-via-the-CLI flow to the license on disk flow?

VM

1. Run [`consul license get -signed`](/consul/commands/license#get) to extract the license from their running cluster. Store the license in a secure location on disk.
1. Set up the necessary configuration so that when Consul Enterprise reboots it will have access to the required license. This could be via the client agent configuration file or an environment variable.
1. Visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.
1. Follow the Consul upgrade [documentation](/consul/docs/upgrading).

Kubernetes

****NOTE:**** If you are not upgrading Consul or your Helm chart version then no action is required.

1. In order to use Consul Enterprise 1.10.0 or greater on Kubernetes you must use version 0.32.0 or greater of the Helm chart.
 1. You should already have a Consul Enterprise license set as a Kubernetes secret. If you do not, refer to [how to obtain a copy of your license](/consul/docs/enterprise/license/faq#q-i-m-an-existing-enterprise-customer-but-don-t-have-my-license-how-can-i-get-it).
- Once you have the license then create a Kubernetes secret containing the license as described in [Kubernetes - Consul Enterprise](/consul/docs/k8s/deployment-configurations/consul-enterprise).
1. Follow the [Kubernetes Upgrade Docs](/consul/docs/k8s/upgrade) to upgrade. No changes to your `values.yaml` file are needed to enable enterprise autoloading since this support is built in to consul-helm 0.32.0 and greater.

!>

Warning: If you are upgrading the Helm chart but **not** upgrading the Consul version, you must set `server.enterpriseLicense.enableLicenseAutoload: false`. See [Kubernetes - Consul Enterprise](/consul/docs/k8s/deployment-configurations/consul-enterprise) for more details.

Q: What is the migration path for customers who want to migrate from their existing perpetually-licensed binaries to the license on disk flow?

VM

1. Acquire a valid Consul Enterprise license. If you are an existing HashiCorp enterprise customer you may contact your organization's [customer success manager](https://support.hashicorp.com/hc/en-us) (CSM) for information on how to get your organization's enterprise license.

1. Store the license in a secure location on disk.

1. Set up the necessary configuration so that when Consul Enterprise reboots it will have the required license. This could be via the client agent configuration file or an environment variable.

Visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

1. Follow the Consul upgrade [documentation](/consul/docs/upgrading).

Kubernetes

1. Acquire a valid Consul Enterprise license. If you are an existing HashiCorp enterprise customer you may contact your organization's [customer success manager](https://support.hashicorp.com/hc/en-us) (CSM) for information on how to get your organization's enterprise license.

1. Set up the necessary configuration so that when Consul Enterprise reboots it will have the required license. This could be via the client agent configuration file or an environment variable.

Visit the [Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

1. Proceed with the `helm` [upgrade instructions](/consul/docs/k8s/upgrade)

Q: Will Consul downgrades/rollbacks work?

When downgrading

to a version of Consul before 1.10.0+ent, customers will need to follow the previous process for applying an enterprise licenses to Consul Enterprise.

Q: Are there potential pitfalls when downgrading or upgrading Consul server instances?

~> Verify that you meet the [upgrade requirements](/consul/docs/enterprise/license/faq#q-what-are-the-upgrade-requirements).

Assume a scenario where there are three Consul server nodes:

- Node A: v1.9.5

- Node B: v1.10.0 [Leader]

- Node C: v1.9.5

The command ``consul license put`` is issued from Node A. This will result in an error due to how Consul routes calls to the server node, Node B in this example.

Because Node A is a follower when the call ``consul license put`` is issued, the call will be redirected to Node B (leader).

The ``consul license put`` operation will fail due to being removed from 1.10.0.

This is a scenario that could occur if a customer downgrades from 1.10.0+ and the Consul leadership has not transferred back over to a node

not running 1.10.0+.

This also has the potential of occurring when upgrading if scheduled license updates or autoscaling groups recoveries are in place.

Q: Any impacts to Consul Kubernetes?

If you are using a Consul Enterprise version prior to 1.10.0 and decide to upgrade the Helm chart to version 0.32.0 or newer, but not the Consul version.

You will need to add the following configuration.

```
...
```

```
server:
```

```
  enterpriseLicense:
```

```
    enableLicenseAutoload: false
```

```
...
```

```
/**
```

```
* Copyright (c) HashiCorp, Inc.
```

```
* SPDX-License-Identifier: BUSL-1.1
```

```
*/
```

```
.consul-intention-permission-header-list {
```

```
  max-height: 200px;
```

```
  overflow: auto;
```

```
}
```

```
{{!
```

```
  Copyright (c) HashiCorp, Inc.
```

```
  SPDX-License-Identifier: BUSL-1.1
```

```
}}
```

```
{{#if (gt items.length 0)}}
```

```
<ListCollection
```

```
  class="consul-intention-permission-header-list"
```

```
  @items={{ { items } }}
```

```
  @scroll="native"
```

```
  @cellHeight={{ { 42 } }}
```

```
as |item|>
```

```
<BlockSlot @name="details">
```

```
<dl>
```

```
<dt>
```

```
<Tooltip>
```

```

        Header
      </Tooltip>
    </dt>
    <dd>
      {{item.Name}} {{route-match item}}
    </dd>
  </dl>
</BlockSlot>
<BlockSlot @name="actions" as |Actions|>
  <Actions as |Action|>
    <Action data-test-delete-action @onclick={{action ondelete item}} class="dangerous">
      <BlockSlot @name="label">
        Delete
      </BlockSlot>
      <BlockSlot @name="confirmation" as |Confirmation|>
        <Confirmation class="warning">
          <BlockSlot @name="header">
            Confirm delete
          </BlockSlot>
          <BlockSlot @name="body">
            <p>
              Are you sure you want to delete this header?
            </p>
          </BlockSlot>
          <BlockSlot @name="confirm" as |Confirm|>
            <Confirm>Delete</Confirm>
          </BlockSlot>
        </Confirmation>
      </BlockSlot>
    </Action>
  </Actions>
</BlockSlot>
</ListCollection>
{{{/if}}}}
{
  "name": "envoy.filters.http.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
    "rules": {
      "policies": {
        "consul-intentions-layer7-0": {
          "permissions": [
            {
              "andRules": {
                "rules": [
                  {
                    "urlPath": {

```



```

    "path": {
      "exact": "/v1/secret"
    }
  },
  {
    "andRules": {
      "rules": [
        {
          "metadata": {
            "filter": "envoy.filters.http.jwt_authn",
            "path": [
              {
                "key": "jwt_payload_auth0"
              },
              {
                "key": "iss"
              }
            ],
            "value": {
              "stringMatch": {
                "exact": "mytest.auth0-issuer"
              }
            }
          }
        },
        {
          "metadata": {
            "filter": "envoy.filters.http.jwt_authn",
            "path": [
              {
                "key": "jwt_payload_auth0"
              },
              {
                "key": "perms"
              },
              {
                "key": "role"
              }
            ],
            "value": {
              "stringMatch": {
                "exact": "admin"
              }
            }
          }
        }
      ]
    }
  }
}

```

```

    ]
  }
}
]
}
},
{
  "andRules": {
    "rules": [
      {
        "urlPath": {
          "path": {
            "exact": "/v1/admin"
          }
        }
      },
      {
        "notRule": {
          "urlPath": {
            "path": {
              "exact": "/v1/secret"
            }
          }
        }
      }
    ]
  }
},
"principals": [
  {
    "andIds": {
      "ids": [
        {
          "authenticated": {
            "principalName": {
              "safeRegex": {
                "regex": "^spiffe://test.consul/ns/default/dc/[^/]+/svc/web$"
              }
            }
          }
        },
        {
          "andIds": {
            "ids": [
              {
                "metadata": {

```

```
"filter": "envoy.filters.http.jwt_authn",
"path": [
  {
    "key": "jwt_payload_okta"
  },
  {
    "key": "iss"
  }
],
"value": {
  "stringMatch": {
    "exact": "mytest.okta-issuer"
  }
}
},

{
  "metadata": {
    "filter": "envoy.filters.http.jwt_authn",
    "path": [
      {
        "key": "jwt_payload_okta"
      },
      {
        "key": "roles"
      }
    ],
    "value": {
      "stringMatch": {
        "exact": "testing"
      }
    }
  }
}
]
}
}
]
}
}
}
}
```

```

{{!
Copyright (c) HashiCorp, Inc.
SPDX-License-Identifier: BUSL-1.1
}}

<div
...attributes
class="consul-intention-permission-header-form"
>
<FormGroup
  @name={{ name }}
as |group|>

  {{yield (hash
    submit=(action 'submit' changeset)
    reset=(action 'reset' changeset)

    isDirty=(and changeset.isValid changeset.isDirty)
    changeset=changeset
  )}}

  <fieldset>
    <div>
      <group.Element
        @name="HeaderType"
        @type="select"
      as |el|>
        <el.Label>Header type</el.Label>
        <PowerSelect
          @options={{ headerTypes }}
          @selected={{ headerType }}
          @onChange={{ action 'change' 'HeaderType' changeset }} as |Type|>
            {{get headerLabels Type}}
        </PowerSelect>
      </group.Element>

      <group.Element
        @name="Name"
        @error={{ changeset.get changeset 'error.Name' }}
      as |el|>
        <el.Label>Header name</el.Label>
        <el.Text

          @value={{ changeset.get changeset 'Name' }}
          oninput={{ action 'change' 'Name' changeset }}
        />
        <State @state={{ el.state }} @matches="error">

```

```

        <el.Error>
            {{changeset-get changeset 'error.Name.validation'}}
        </el.Error>
    </State>
</group.Element>

{{#if shouldShowValueField}}
    <group.Element
        @name="Value"
        @error={{changeset-get changeset 'error.Value'}}
    as |el|>
        <el.Label>Header {{lowercase (get headerLabels headerType)}}</el.Label>
        <el.Text
            @value={{changeset-get changeset 'Value'}}
            oninput={{action 'change' 'Value' changeset}}
        />
        <State @state={{el.state}} @matches="error">
            <el.Error>
                {{changeset-get changeset 'error.Value.validation'}}
            </el.Error>
        </State>
    </group.Element>
{{/if}}

</div>
</fieldset>
</FormGroup>
</div>
{
    "name": "envoy.filters.http.rbac",
    "typedConfig": {
        "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
        "rules": {
            "policies": {
                "consul-intentions-layer7-0": {
                    "permissions": [
                        {
                            "andRules": {
                                "rules": [
                                    {
                                        "urlPath": {
                                            "path": {
                                                "prefix": "/v1"
                                            }
                                        }
                                    }
                                ],
                            },
                        },
                    ],
                    "notRule": {

```

```

        "urlPath": {
          "path": {
            "exact": "/v1/secret"
          }
        }
      }
    ]
  },
  {
    "andRules": {
      "rules": [
        {
          "andRules": {
            "rules": [
              {
                "urlPath": {
                  "path": {
                    "safeRegex": {
                      "regex": "/v[123]"
                    }
                  }
                }
              },
              {
                "header": {
                  "name": ":method",
                  "stringMatch": {
                    "safeRegex": {
                      "regex": "GET|HEAD|OPTIONS"
                    }
                  }
                }
              }
            ]
          }
        }
      ],
      {
        "notRule": {
          "urlPath": {
            "path": {
              "exact": "/v1/secret"
            }
          }
        }
      }
    ],

```

```

{
  "notRule": {
    "andRules": {
      "rules": [
        {
          "urlPath": {
            "path": {
              "exact": "/v1/admin"
            }
          }
        },
        {
          "header": {
            "name": ":method",
            "stringMatch": {
              "safeRegex": {
                "regex": "GET"
              }
            }
          }
        }
      ]
    }
  }
},
{
  "andRules": {
    "rules": [
      {
        "header": {
          "name": "x-foo",
          "presentMatch": true
        }
      },
      {
        "header": {
          "name": "x-bar",
          "stringMatch": {
            "exact": "xyz"
          }
        }
      }
    ]
  }
}

```

```

    }
  },
  {
    "header": {
      "name": "x-dib",
      "stringMatch": {
        "prefix": "gaz"
      }
    }
  },
  {
    "header": {
      "name": "x-gir",
      "stringMatch": {
        "suffix": "zim"
      }
    }
  },
  {
    "header": {
      "name": "x-zim",
      "stringMatch": {
        "safeRegex": {
          "regex": "gi[rR]"
        }
      }
    }
  },
  {
    "header": {
      "invertMatch": true,
      "name": "z-foo",
      "presentMatch": true
    }
  },
  {
    "header": {
      "invertMatch": true,
      "name": "z-bar",
      "stringMatch": {
        "exact": "xyz"
      }
    }
  },
  {
    "header": {

```



```

        "invertMatch": true,
        "name": "z-dib",
        "stringMatch": {
            "prefix": "gaz"
        }
    },
    {
        "header": {
            "invertMatch": true,
            "name": "z-gir",
            "stringMatch": {
                "suffix": "zim"
            }
        }
    },
    {
        "header": {
            "invertMatch": true,
            "name": "z-zim",
            "stringMatch": {
                "safeRegex": {

"regex": "gi[rR]"
                }
            }
        }
    }
]
},
{
    "notRule": {
        "urlPath": {
            "path": {
                "exact": "/v1/secret"
            }
        }
    }
},
{
    "notRule": {
        "header": {
            "name": "x-baz",
            "presentMatch": true
        }
    }
}

```

```

    ]
  }
}
],
"principals": [
  {
    "authenticated": {
      "principalName": {
        "safeRegex": {
          "regex": "^spiffe://test.consul/ns/default/dc/[^/]+/svc/web$"
        }
      }
    }
  }
]
}
}
}
}
{
  "name": "envoy.filters.network.rbac",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.network.rbac.v3.RBAC",
    "rules": {},
    "statPrefix": "connect_authz"
  }
}
{
  "Valid": true,
  "License": {
    "license_id": "${fake.random.uuid()}",
    "customer_id": "${fake.random.uuid()}",
    "installation_id": "*",
    "issue_time": "2021-01-13T15:25:19.052900132Z",
    "start_time": "2021-01-13T00:00:00Z",
    "expiration_time": "${env('CONSUL_LICENSE_EXPIRATION', '2022-05-02T23:59:59.999Z')}",
    "termination_time": "${env('CONSUL_LICENSE_TERMINATION', '2022-01-13T23:59:59.999Z')}",
    "product": "consul",
    "flags": {
      "modules": [
        "global-visibility-routing-scale",
        "governance-policy"
      ]
    },
  },
  "modules": [
    "Global Visibility, Routing and Scale",
    "Governance and Policy"
  ]
}

```

```

],
"features": [
  "Automated Backups",
  "Automated Upgrades",
  "Enhanced Read Scalability",
  "Network Segments",
  "Redundancy Zone",
  "Advanced Network Federation",
  "Namespaces",
  "SSO",
  "Audit Logging",
  "Admin Partitions"
]
},
"Warnings": [
]
}
{
  "name": "envoy.filters.http.jwt_authn",
  "typedConfig": {
    "@type": "type.googleapis.com/envoy.extensions.filters.http.jwt_authn.v3.JwtAuthentication",
    "providers": {
      "okta": {
        "issuer": "test-issuer",
        "payloadInMetadata": "jwt_payload_okta",
        "remoteJwks": {
          "asyncFetch": {
            "fastListener": true
          },
          "httpUri": {
            "cluster": "jwks_cluster_okta",
            "timeout": "1s",
            "uri": "https://example-okta.com/.well-known/jwks.json"
          }
        }
      }
    }
  },
  "rules": [
    {
      "match": {
        "prefix": "/"
      },
      "requires": {
        "requiresAny": {
          "requirements": [
            {
              "providerName": "okta"
            }
          ]
        }
      }
    }
  ]
}

```

```

        {
            "allowMissingOrFailed": {}
        }
    ]
}
}
}
}
}
]
}
}
}
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */

@import './skin';
@import './layout';
.consul-intention-permission-header-list {
    > ul > li {
        @extend %list-row-200;
    }
}

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```

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```

{
    "name": "envoy.filters.http.rbac",
    "typedConfig": {
        "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
        "rules": {
            "policies": {
                "consul-intentions-layer7-0": {
                    "permissions": [
                        {
                            "andRules": {
                                "rules": [
                                    {
                                        "andRules": {
                                            "rules": [
                                                {
                                                    "urlPath": {

```

```

        "path": {
          "prefix": "/v1"
        }
      },
      {
        "header": {
          "name": "x-foo",
          "presentMatch": true
        }
      }
    ]
  },
  {
    "notRule": {
      "andRules": {

        "rules": [
          {
            "urlPath": {
              "path": {
                "exact": "/v1/secret"
              }
            }
          },
          {
            "header": {
              "name": "x-baz",
              "presentMatch": true
            }
          },
          {
            "header": {
              "name": "x-bar",
              "presentMatch": true
            }
          }
        ]
      }
    }
  },
  {
    "notRule": {
      "andRules": {
        "rules": [
          {

```



```

@src={{
  uri '${partition}/${namespace}/${dc}/license'
  (hash
    partition='partition'
    namespace='ns'
    dc='dc-1'
  )
}}
@onchange={{action (mut data) value="data"}}
/>
<pre><code>{{json-stringify data null 4}}</code></pre>
</figure>
...

```

page_title: Automated license utilization reporting

description: >-

Learn what data HashiCorp collects to meter Enterprise license utilization. Enable or disable reporting. Review sample payloads and logs.

Automated license utilization reporting

This topic describes how to enable automated license utilization reporting in Consul Enterprise. This feature automatically sends license utilization data to HashiCorp so that you do not have to manually collect and report it. It also enables you to review your license usage with the monitoring solution you already use, such as Splunk and Datadog, as you optimize and manage your deployments.

Introduction

You can use automated license utilization report to understand how much additional networking infrastructure you can deploy under your current contract. This feature helps you protect against overutilization and budget for predicted consumption.

Automated reporting shares the minimum data required to validate license utilization as defined in our contracts. This data mostly consists of computed metrics, and it will never contain Personal Identifiable Information (PII) or other sensitive information. Automated reporting shares the data with HashiCorp using a secure unidirectional HTTPS API and makes an auditable record in the product logs each time it submits a report. This process is GDPR-compliant.

Requirements

Automated license utilization reporting does not support `_air-gapped installations_`, which are systems with no network interfaces.

The following versions of Consul Enterprise support automated license utilization reporting:

- Consul Enterprise v1.16.0 and newer.
- Patch releases of Consul Enterprise v1.15.4 and newer.

- Patch releases of Consul Enterprise v1.14.8 and newer.
- Patch releases of Consul Enterprise v1.13.9 and newer.

Download a supported release from the [Consul Versions](https://releases.hashicorp.com/consul/) page.

Enable automated reporting

Before you enable automated reporting,

make sure that outbound network traffic is configured correctly and upgrade your enterprise product to a version that supports it. If your installation is air-gapped or network settings are not in place, automated reporting will not work.

To enable automated reporting, complete the following steps:

1. [Allow outbound HTTPS traffic on port 443](#allow-outbound-https-traffic)
1. [Check product logs](#check-product-logs)

Allow outbound HTTPS traffic on port 443

Make sure that your network allows HTTPS egress on port 443 from `https://reporting.hashicorp.services` by adding the following IP addresses to your allow-list:

- `100.20.70.12`
- `35.166.5.222`
- `23.95.85.111`
- `44.215.244.1`

Check product logs

Automatic license utilization reporting starts sending data within roughly 24 hours. Check the product logs for records that the data sent successfully.

<CodeBlockConfig hideClipboard>

...

```
[DEBUG] beginning snapshot export
[DEBUG] creating payload
[DEBUG] marshalling
payload to json
[DEBUG] generating authentication headers
[DEBUG] creating request
[DEBUG] sending request
[DEBUG] performing request: method=POST url=https://census.license.hashicorp.services
[DEBUG] recording audit record
[INFO] reporting: Report sent: auditRecord={"payload":{"payload_version":"1","license_id":"d2cdd857-4202-5a45-70a6-e4b531050c34","product":"consul","product_version":"1.16.0-dev+ent","export_timestamp":"2023-05-26T20:09:13.753921087Z","snapshots":[{"snapshot_version":1,"snapshot_id":"0001J724F90F4XWQDSAA76ZQWA","process_id":"01H1CTJPC1S8H7Q45MKTJ689ZW","timestamp":"2023-05-
```



```
26T20:09:13.753513962Z","schema_version":"1.0.0","service":"consul","metrics":{"consul.billable.nodes":{"key":
"consul.billable.nodes","kind":"counter","mode":"write","value":2},"consul.billable.service_instances":{"key":"con
sul.billable.service_instances","kind":"counter","mode":"write","value":2}}},"metadata":{}}
[DEBUG] completed recording audit record
[DEBUG] export finished successfully"
...
```

</CodeBlockConfig>

If

your installation is air-gapped or your network does not allow the correct egress, the logs show an error.

<CodeBlockConfig hideClipboard>

...

```
[DEBUG] reporting: beginning snapshot export
[DEBUG] reporting: creating payload
[DEBUG] reporting: marshalling payload to json
[DEBUG] reporting: generating authentication headers
[DEBUG] reporting: creating request
[DEBUG] reporting: sending request
[DEBUG] reporting: performing request: method=POST url=https://census.license.hashicorp.services
[DEBUG] reporting: error status code received: statusCode=403
...
```

</CodeBlockConfig>

In this case, reconfigure your network to allow egress and check the logs again in roughly 24 hours to confirm that automated reporting works correctly.

Opt out

If your installation is air-gapped or you want to manually collect and report on the same license utilization metrics, you can opt out of automated reporting.

Manually reporting these metrics can be time consuming. Opting out of automated reporting does not mean that you also opt out from sending license utilization metrics. Customers who opt out of automated reporting are still required to manually collect and send license utilization metrics to HashiCorp.

If you are considering opting out because you are worried about the data, we strongly recommend that you review the [example payloads](#example-payloads) before opting out. If you have concerns with any of the automatically reported data, raise these concerns with your account manager.

There are two methods for opting out of automated reporting:

- HCL configuration (recommended)
- Environment variable (requires restart)

We recommend opting out in your product's configuration file because it does not require a system restart. Add the following block to your `configuration.hcl` or `configuration.json` file.

```
```hcl
reporting {
 license {
 enabled = false
 }
}
```
```

When opting out using an environment variable, the system provides a startup message confirming that you have disabled automated reporting. Set the following environment variable to disable automated reporting:

<CodeBlockConfig>

```
```shell-session
$ export OPTOUT_LICENSE_REPORTING=true
```
```

</CodeBlockConfig>

After you set the environment variable, restart your system to complete the process for opting out.

```
```shell-session
$ consul reload
```
```

Check your product logs roughly 24 hours after opting out to make sure that the system is not trying to send reports. Keep in mind that if your configuration file and environment variable differ, the environment variable setting takes precedence.

Example payloads

HashiCorp collects the following utilization data as JSON payloads:

`exporter\_version` - The version of the licensing exporter

<CodeBlockConfig hideClipboard>

```
```json
{
 "payload": {
 "payload_version": "1",
 "license_id": "d2cdd857-4202-5a45-70a6-e4b531050c34",
 "product": "consul",
 }
}
```

```

"product_version": "1.16.0-dev+ent",
"export_timestamp":
"2023-05-26T20:09:13.753921087Z",
"snapshots": [
{
 "snapshot_version": 1,
 "snapshot_id": "0001J724F90F4XWQDSAA76ZQWA",
 "process_id": "01H1CTJPC1S8H7Q45MKTJ689ZW",
 "timestamp": "2023-05-26T20:09:13.753513962Z",
 "schema_version": "1.0.0",
 "service": "consul",
 "metrics": {
 "consul.billable.nodes": {
 "key": "consul.billable.nodes",
 "kind": "counter",
 "mode": "write",
 "value": 2
 },
 "consul.billable.service_instances": {
 "key": "consul.billable.service_instances",
 "kind": "counter",
 "mode": "write",
 "value": 2
 }
 }
}
],
"metadata": {}
}
}

```

</CodeBlockConfig>

---

layout: docs

page\_title: Storing the Enterprise License in Vault

description: >-

Configuring the Consul Helm chart to use an enterprise license stored in Vault.

---

# Storing the Enterprise License in Vault

This topic describes how to configure the Consul Helm chart to use an enterprise license stored in Vault.

## Overview

Complete the steps outlined in the [Data Integration](/consul/docs/k8s/deployment-configurations/vault/data-integration) section to use an enterprise license stored in Vault.

Complete the following steps once:

1. Store the secret in Vault.
1. Create a Vault policy that authorizes the desired level of access to the secret.

Repeat the following steps for each datacenter in the cluster:

1. Create Vault Kubernetes auth roles that link the policy to each Consul on Kubernetes service account that requires access.
1. Update the Consul on Kubernetes helm chart.

## ## Prerequisites

Prior to setting up the data integration between Vault and Consul on Kubernetes, you will need to have:

1. Read and completed the steps in the [Systems Integration](/consul/docs/k8s/deployment-configurations/vault/systems-integration) section of [Vault as a Secrets Backend](/consul/docs/k8s/deployment-configurations/vault).
2. Read the [Data Integration Overview](/consul/docs/k8s/deployment-configurations/vault/data-integration) section of [Vault as a Secrets Backend](/consul/docs/k8s/deployment-configurations/vault).

## ## Store the Secret in Vault

First, store the enterprise license in Vault:

```
```shell-session
$ vault kv put consul-kv/secret/enterpriselicense key="<enterprise license>"
```
```

## ## Create Vault policy

Next, you will need to create a policy that allows read access to this secret.

The path to the secret referenced in the `path` resource is the same value that you will configure in the `global.enterpriseLicense.secretName` Helm configuration (refer to [Update Consul on Kubernetes Helm chart](#update-consul-on-kubernetes-helm-chart)).

```
<CodeBlockConfig
filename="license-policy.hcl">
```

```
```HCL
path "consul-kv/data/secret/enterpriselicense" {
  capabilities = ["read"]
}
```
```

```
</CodeBlockConfig>
```

Apply the Vault policy by issuing the `vault policy write` CLI command:

```
```shell-session
$ vault policy write license-policy license-policy.hcl
```

```

## ## Create Vault Authorization Roles for Consul

Next, you will create Kubernetes auth roles for the Consul server and client:

```
```shell-session
$ vault write auth/kubernetes/role/consul-server \
  bound_service_account_names=<Consul server service account> \
  bound_service_account_namespaces=<Consul installation namespace> \
  policies=license-policy \
  ttl=1h
```
```

```
```shell-session
$ vault write auth/kubernetes/role/consul-client \
  bound_service_account_names=<Consul client service account> \
  bound_service_account_namespaces=<Consul installation namespace> \
  policies=license-policy \
  ttl=1h
```
```

To find out the service account names of the Consul server and client, you can

run the following `helm template` commands with your Consul on Kubernetes values file:

- Generate Consul server service account name

```
```shell-session
$ helm template --release-name ${RELEASE_NAME} -s templates/server-serviceaccount.yaml hashicorp/consul -f values.yaml
```
```

- Generate Consul client service account name

```
```shell-session
$ helm template --release-name ${RELEASE_NAME} -s templates/client-serviceaccount.yaml hashicorp/consul -f values.yaml
```
```

## ## Update Consul on Kubernetes Helm chart.

Now that you have configured Vault, you can configure the Consul Helm chart to use the enterprise enterprise license in Vault:

<CodeBlockConfig filename="values.yaml">

```
```yaml
global:
  image: hashicorp/consul-enterprise:1.12.0-ent
```
```

```

secretsBackend:
 vault:
 enabled: true
 consulServerRole: consul-server
 consulClientRole: consul-client
enterpriseLicense:
 secretName: consul-kv/data/secret/enterpriselicense
 secretKey: key
...

```

</CodeBlockConfig>

#### Note

that ``global.enterpriseLicense.secretName`` is the path of the secret in Vault. This should be the same path as the one you included in your Vault policy. ``global.enterpriseLicense.secretKey`` is the key inside the secret data. This should be the same as the key you passed when creating the enterprise license secret in Vault.

```
{{!
```

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```
}}
```

```
<Hds::Alert @type='inline' @color={{or @type "neutral"}} class='mb-2 mt-2 consul-intention-notice-custom-resource' as |A|>
```

```
<A.Title>Intention Custom Resource</A.Title>
```

```
<A.Description>Some of your intentions are being managed through an Intention Custom Resource in your Kubernetes cluster. Those managed intentions will be view only in the UI. Any intentions created in the UI will work but will not be synced to the Custom Resource Definition (CRD) datastore.</A.Description>
```

```
<A.Link::Standalone @href="{{env 'CONSUL_DOCS_URL'}}/k8s/crds"
```

```
 @text='Learn more about CRDs'
```

```
 @icon="docs-link"
```

```
 @iconPosition="trailing"
```

```
 @size="small" />
```

```
</Hds::Alert>
```

```
/**
```

```
* Copyright (c) HashiCorp, Inc.
```

```
* SPDX-License-Identifier: BUSL-1.1
```

```
*/
```

```
.consul-intention-permission-form {
```

```
 h2 {
```

```
 border-top: 1px solid var(--token-color-foreground-action);
```

```
 @extend %display-400-semibold;
```

```
 }
```

```
 button.type-submit {
```

```
 @extend %frame-blue-300;
```

```
 }
```

```
 button.type-submit: hover: not(:disabled),
```

```
button.type-submit:focus:not(:disabled) {
 @extend %frame-blue-500;
}
button.type-submit:disabled {
 @extend %frame-blue-200;
}
}
```

```
.consul-intention-view {
 h2 {
 @extend %display-400-semibold;
 }
}
```

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layout: docs

page\_title: Consul-Terraform-Sync Enterprise License

description: >-

Consul-Terraform-Sync Enterprise License

---

### # Consul-Terraform-Sync Enterprise License

<EnterpriseAlert>

Licenses are only required for Consul-Terraform-Sync (CTS) Enterprise

</EnterpriseAlert>

CTS Enterprise binaries require a [Consul Enterprise license](/consul/docs/enterprise/license/overview) to run. There is no CTS Enterprise specific license. As a result, CTS Enterprise's licensing is very similar to Consul Enterprise.

All CTS Enterprise features are available with a valid Consul Enterprise license, regardless of your Consul Enterprise packaging or pricing model.

To get a trial license for CTS, you can sign-up for the [trial license for Consul Enterprise](/consul/docs/enterprise/license/faq#q-where-can-users-get-a-trial-license-for-consul-enterprise).

### ## Automatic License Retrieval

CTS automatically retrieves a license from Consul on startup and then attempts to retrieve a new license once a day. If the current license is reaching its expiration date, CTS attempts to retrieve a license with increased frequency, as defined by the [License Expiration Date Handling](/consul/docs/enterprise/license#license-expiration-handling).

~> Enabling automatic license retrieval is recommended when using HCP Consul Dedicated, as HCP Consul Dedicated licenses expire more frequently than Consul Enterprise licenses. Without auto-retrieval enabled, you have to restart CTS every time you load a new license.

### ## Setting the License Manually

If a license needs to be manually set, choose one of the following methods (in order of precedence) to set the license:

1. Set the `CONSUL\_LICENSE` environment variable to the license string.

```shell-session

```
export CONSUL_LICENSE=<LICENSE_VALUE>
...

```

1. Set the `CONSUL\_LICENSE\_PATH` environment variable to the path of the file containing the license.

```
```shell-session
export CONSUL_LICENSE_PATH=<PATH>/<TO>/<FILE>
...

```

1. To point to the file containing the license, in the configuration file, configure the `[`license`](/consul/docs/nia/configuration#license)` path option.

```
```hcl
license {
  path = "<PATH>/<TO>/<FILE>"
}
...

```

1. To point to the file containing the license, in the configuration file, configure the `[`license_path`](/consul/docs/nia/configuration#license_path)` option i. **Deprecated in CTS 0.6.0 and will be removed in a future release. Use `[license block](/consul/docs/nia/configuration#license)` instead.**

```
```hcl
license_path = "<PATH>/<TO>/<FILE>"
...

```

~> **Note**: the `[options to set the license and the order of precedence](/consul/docs/enterprise/license/overview#binaries-without-built-in-licenses)` are the same as Consul Enterprise server agents. Visit the `[Enterprise License Tutorial](/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs)` for detailed steps on how to install the license key.

### ### Updating the License Manually

To update the license

when it expires or is near the expiration date and automatic license retrieval is disabled:

1. Update the license environment variable or configuration with the new license value or path to the new license file
1. Stop and restart CTS Enterprise

Once CTS Enterprise starts again, it will pick up the new license and run the tasks with any changes that may have occurred between the stop and restart period.

### ## License Expiration Handling

Licenses have an expiration date and a termination date. The termination date is a time at or after the license expires. CTS Enterprise will cease to function once the termination date has passed.



The time between the expiration and termination dates is a grace period. Grace periods are generally 24-hours, but you should refer to your license agreement for complete terms of your grace period.

When approaching expiration and termination, by default, CTS Enterprise will attempt to retrieve a new license. If auto-retrieval is disabled, CTS Enterprise will provide notifications in the system logs:

| Time period                                 | Behavior - auto-retrieval enabled (default) | Behavior - auto-retrieval disabled |
|---------------------------------------------|---------------------------------------------|------------------------------------|
| 30 days before expiration                   | License retrieval attempt every 24-hours    | Warning-level log every 24-hours   |
| 7 days before expiration                    | License retrieval attempt every 1 hour      | Warning-level log every 1 hour     |
| 1 day before expiration                     | License retrieval attempt every 5 minutes   | Warning-level log every 5 minutes  |
| 1 hour before expiration                    | License retrieval attempt every 1 minute    | Warning-level log every 1 minute   |
| At or after expiration (before termination) | License retrieval attempt every 1 minute    | Error-level log every 1 minute     |
| At or after termination                     | Error-level log and exit                    | Error-level log and exit           |

~> **Note**: Notification frequency and [grace period](/consul/docs/enterprise/license/faq#q-is-there-a-grace-period-when-licenses-expire) behavior is the same as Consul Enterprise.

/\*!

\* clipboard.js v2.0.11  
\* <https://clipboardjs.com/>  
\*  
\* Licensed MIT Zeno Rocha  
\*/

/\*!

\* focus-trap 6.9.4  
\* @license MIT, <https://github.com/focus-trap/focus-trap/blob/master/LICENSE>  
\*/

/\*! \*\*\*\*\*

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}}

{{#if (gt items.length 0)}}

<ListCollection

class="consul-intention-permission-list{{if (not onclick) ' readonly'}}"

@scroll="native"

@items={{items}}

@partial={{5}}

as |item|>

<BlockSlot @name="details">

<div onclick={{action (optional onclick) item}}>

<strong class={{concat 'intent-' item.Action}}>{{capitalize item.Action}}</strong>

{{#if (gt item.HTTP.Methods.length 0)}}

<dl class="permission-methods">

<dt>

<Tooltip>

Methods

</Tooltip>

</dt>

<dd>

{{#each item.HTTP.Methods as |item|}}

{{item}}

{{/each}}

</dd>

</dl>

{{/if}}

{{#if item.HTTP.Path}}

<dl class="permission-path">

<dt>

<Tooltip>

```

 {{item.HTTP.PathType}}
 </Tooltip>
</dt>
<dd>
 {{item.HTTP.Path}}
</dd>
</dl>
{{/if}}
{{#each item.HTTP.Header
as |item|}}
 <dl class="permission-header">
 <dt>
 <Tooltip>
 Header
 </Tooltip>
 </dt>
 <dd>
 {{item.Name}} {{route-match item}}
 </dd>
 </dl>
{{/each}}
</div>
</BlockSlot>
{{#if onclick}}
<BlockSlot @name="actions" as |Actions|>
 <Actions as |Action|>
 <Action data-test-edit-action @onclick={{action (optional onclick) item}} @close={{true}}>
 <BlockSlot @name="label">
 Edit
 </BlockSlot>
 </Action>
 <Action data-test-delete-action @onclick={{action ondelete item}} class="dangerous">
 <BlockSlot @name="label">
 Delete
 </BlockSlot>
 <BlockSlot @name="confirmation" as |Confirmation|>
 <Confirmation class="warning">
 <BlockSlot @name="header">
 Confirm delete
 </BlockSlot>
 <BlockSlot @name="body">
 <p>
 Are you sure you
want to delete this permission?
 </p>
 </BlockSlot>
 <BlockSlot @name="confirm" as |Confirm|>
 <Confirm>Delete</Confirm>

```

```

 </BlockSlot>
 </Confirmation>
</BlockSlot>
</Action>
</Actions>
</BlockSlot>
{{/if}}
</ListCollection>
{{/if}}
{
 "name": "envoy.filters.http.rbac",
 "typedConfig": {
 "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
 "rules": {
 "policies": {
 "consul-intentions-layer7-0": {
 "permissions": [
 {
 "andRules": {
 "rules": [
 {
 "andRules": {
 "rules": [
 {
 "urlPath": {
 "path": {
 "prefix": "/v1"
 }
 }
],
 },
 },
],
 "header": {
 "name": "x-foo",
 "presentMatch": true
 }
 }
]
 },
 },
 "notRule": {
 "andRules": {
 "rules": [
 {
 "urlPath": {
 "path": {
 "exact": "/v1/secret"
 }
 }
 }
]
 }
 }
 }
 }
}

```

```

 }
 }
},
{
 "header": {
 "name": "x-baz",
 "presentMatch": true
 }
},
{
 "header": {
 "name": "x-bar",
 "presentMatch": true
 }
}
]
}
}
},
{
 "notRule": {
 "andRules": {
 "rules": [
 {
 "urlPath": {
 "path": {
 "exact": "/v1/admin"
 }
 },
 },
 {
 "header": {
 "name": "x-baz",
 "presentMatch": true
 }
 },
 {
 "header": {
 "name": "x-bar",
 "presentMatch": true
 }
 }
]
 }
 }
}
}
}
]

```

```

 }
 },
 {
 "andRules": {
 "rules": [
 {
 "andRules": {
 "rules": [
 {

"urlPath": {
 "path": {
 "prefix": "/v2"
 }
 },
 {
 "header": {
 "name": "x-foo",
 "presentMatch": true
 }
 }
]
},
},
{
 "notRule": {
 "andRules": {
 "rules": [
 {
 "urlPath": {
 "path": {
 "exact": "/v2/secret"
 }
 },
 },
 {
 "header": {
 "name": "x-baz",
 "presentMatch":
true
 }
 }
],
 {
 "header": {
 "name": "x-bar",
 "presentMatch": true
 }
 }
 }
 }
}

```

```

 }
]
}
},
{
 "notRule": {
 "andRules": {
 "rules": [
 {
 "urlPath": {
 "path": {
 "exact": "/v2/admin"
 }
 }
 },
 {
 "header": {
 "name": "x-baz",
 "presentMatch": true
 }
 }
],
 "presentMatch": true
 }
 },
 "header": {
 "name": "x-bar",
 "presentMatch": true
 }
}
],
"principals": [
 {
 "authenticated": {
 "principalName": {
 "safeRegex": {
 "regex": "^spiffe://test.consul/ns/default/dc[/]+/svc/web$"
 }
 }
 }
 }
]

```

```

 }
 }
}
}
}
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */

```

```

.agentless-node-notice .hds-alert__title {
 display: flex;
 justify-content: space-between;
}

```

Mozilla Public License 2.0 (MPLv2.0)

---

layout: commands

page\_title: 'Commands: License'

description: >

The license command provides a datacenter-level view of the Consul Enterprise license.

---

# Consul License

Command: `consul license`

<EnterpriseAlert />

The `license` command provides a list of all datacenters that use the Consul Enterprise license applied to the current datacenter.

~> **Warning**: Consul 1.10.0 removed the ability to set and reset the license using the CLI. See the [licensing documentation](/consul/docs/enterprise/license/overview) for more information about Consul Enterprise license management.

If ACLs are enabled then a token with operator privileges may be required in order to use this command. Requests are forwarded internally to the leader if required, so this can be run from any Consul node in a cluster. See the [ACL Guide](/consul/tutorials/security/access-control-setup-production) for more information.

```text

Usage: consul license <subcommand> [options] [args]

This command has subcommands for managing the Consul Enterprise license. Here are some simple examples, and more detailed examples are available in the subcommands or the documentation.

Install a new license from a file:

```
$ consul license put @consul.license
```

Install a new license from stdin:

```
$ consul license put -
```

Install a new license from a string:

```
$ consul license put "<license blob>"
```

Retrieve the current license:

```
$ consul license get
```

Inspect a license:

```
$ consul license inspect "<path to license file>"
```

Reset the current license:

```
$ consul license reset
```

For more examples, ask for subcommand help or view the documentation.

Subcommands:

get	Get the active license
inspect	Inspect a signed license
put	Puts a new license in the datacenter
reset	Resets the license in the datacenter

...

inspect

This command inspects and validates a license. Just like a Consul agent it can load the license from a file on disk or from the `CONSUL\_LICENSE` and `CONSUL\_LICENSE\_PATH` environment variables.

Usage: `consul license inspect [<options>] [<license file>]`

Inspect a license contained in a file:

...

```
$ consul license inspect consul.hcl
```

...

Inspect a license loaded from the environment:

...

```
$ consul license inspect
```

...

This will look at the `CONSUL_LICENSE` environment variable first and if not present then we will look for the file specified by the `CONSUL_LICENSE_PATH` environment variable.

The output looks like this:

...

Source: `/consul/config/consul.hcl` (path from the `CONSUL_LICENSE_PATH` environment variable)

Product: consul

License ID: 6089174b-a713-74cf-4c8d-856b86f1ce50

Customer ID: 7c020610-60a2-7ccb-c210-20d899e5f3b4

Installation ID: *

Issue Time: 2020-09-14 19:45:56.212195875 +0000 UTC

Start Time: 2020-09-14 00:00:00 +0000 UTC

Expiration Time: 2021-09-14 23:59:59.999 +0000 UTC

Termination Time: 2021-09-14 23:59:59.999 +0000 UTC

Modules:

- Global Visibility, Routing and Scale

- Governance and Policy

Features:

- Automated Backups

- Automated Upgrades

- Enhanced Read Scalability

- Network Segments

- Redundancy Zone

- Advanced Network Federation

- Namespaces

- SSO

- Audit Logging

- Admin Partitions

License is valid

...

```
## put
```

-> ****Deprecated**** The ability to manage the cluster's license via the CLI was removed in Consul 1.10. While the CLI command still exists it will always return an error. This command will be fully removed in a future release.

Corresponding HTTP API Endpoint: `[PUT] /v1/operator/license`(`/consul/api-docs/operator/license#updating-the-consul-license`)

This command sets the Consul Enterprise license.

The table below shows this command's [required ACLs](`/consul/api-docs/api-structure#authentication`).

Configuration of

[blocking queries](`/consul/api-docs/features/blocking`) and [agent caching](`/consul/api-docs/features/caching`) are not supported from commands, but may be from the corresponding HTTP endpoint.

ACL Required

<code>`operator:write`</code>

Usage: ``consul license put [options] LICENSE``

The output looks like this:

```
```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
 Automated Backups
 Automated Upgrades
 Enhanced Read Scalability
 Network Segments
 Redundancy Zone
 Advanced Network Federation
```
```

API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

get

Corresponding HTTP API Endpoint: `[GET] /v1/operator/license`(`/consul/api-docs/operator/license#getting-the-consul-license`)

This command gets the Consul Enterprise license. If the leader hasn't been updated with the newer license, the

followers
will display the outdated license in their GET output.

The table below
shows this command's [required ACLs](/consul/api-docs/api-structure#authentication). Configuration of [blocking queries](/consul/api-docs/features/blocking) and [agent caching](/consul/api-docs/features/caching) are not supported from commands, but may be from the corresponding HTTP endpoint.

ACL Required
none

Usage: `consul license get [options]`

The output looks like this:

```
```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
 Automated Backups
 Automated Upgrades
 Enhanced Read Scalability
 Network Segments
 Redundancy Zone
 Advanced Network Federation
```
```

API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'

reset

-> **Deprecated** The ability to manage the cluster's license via the CLI was removed in Consul 1.10. While the CLI command still exists it will always return an error. This command will be fully removed in a future release.

Corresponding HTTP API Endpoint: [DELETE] /v1/operator/license(/consul/api-docs/operator/license#resetting-the-consul-license)

Resets license for the datacenter to the one builtin in Consul binary, if it is still valid.

If the builtin license is invalid, the current one stays active.

The table below shows this command's [required ACLs](/consul/api-docs/api-structure#authentication).

Configuration of

[blocking queries](/consul/api-docs/features/blocking) and [agent caching](/consul/api-docs/features/caching)

are not supported from commands, but may be from the corresponding HTTP endpoint.

ACL Required

`operator:write`

Usage: `consul license reset [options]`

The output looks like this:

```
```text
License is valid
License ID: 2afbf681-0d1a-0649-cb6c-333ec9f0989c
Customer ID: 0259271d-8ffc-e85e-0830-c0822c1f5f2b
Expires
At: 2019-05-22 03:59:59.999 +0000 UTC
Datacenter: *
Package: premium
Licensed Features:
 Automated Backups
 Automated Upgrades
 Enhanced Read Scalability
 Network Segments
 Redundancy Zone
 Advanced Network Federation
...
API Options

@include 'http_api_options_client.mdx'

@include 'http_api_options_server.mdx'
{
 "name": "envoy.filters.http.rbac",
 "typedConfig": {
 "@type": "type.googleapis.com/envoy.extensions.filters.http.rbac.v3.RBAC",
 "rules": {
 "policies": {
 "consul-intentions-layer7-0": {
 "permissions": [
 {
 "andRules": {
```

```

"rules": [
 {
 "urlPath": {
 "path": {
 "prefix": "some-path"
 }
 }
 },
 {
 "andRules": {
 "rules": [
 {
 "metadata": {
 "filter": "envoy.filters.http.jwt_authn",
 "path": [
 {
 "key": "jwt_payload_okta"
 },
 {
 "key": "iss"
 }
],
 "value": {
 "stringMatch": {
 "exact": "mytest.okta-issuer"
 }
 }
 }
 },
 {
 "metadata": {
 "filter": "envoy.filters.http.jwt_authn",
 "path": [
 {
 "key": "jwt_payload_okta"
 },
 {
 "key": "roles"
 }
],
 "value": {
 "stringMatch": {
 "exact": "testing"
 }
 }
 }
 }
]
 }
 }
]

```



```

@extend %body-300-regular;
}
%license-validity dl .expired + dd {
 @extend %visually-hidden;
}
%license-validity dl dt::before {
 content: "";
 margin-right: 0.25rem; /* 4px */
}
%license-validity dl .expired::before {
 --icon-name: icon-x-circle;
 --icon-color: var(--token-color-foreground-critical);
}
%license-validity dl .warning::before {
 --icon-name: icon-alert-circle;
 --icon-color: var(--token-color-foreground-warning);
}
%license-validity dl .valid:not(.warning)::before {
 --icon-name: icon-check-circle;
 --icon-color: var(--token-color-foreground-success);
}

```

```

%license-route-learn-more
{
 @extend %panel;
 box-shadow: none;
 padding: var(--padding-y) var(--padding-x);
 width: 40%;
 min-width: 413px;
 margin-top: 1rem; /* 16px */
}
%license-route-learn-more header > :first-child {
 @extend %display-300-semibold;
}
%license-route-learn-more header {
 margin-bottom: 1rem; /* 16px */
}
{!!
 Copyright (c) HashiCorp, Inc.
 SPDX-License-Identifier: BUSL-1.1
!!}

```

```

<Route
 @name={{routeName}}
as |route|>
<DataLoader
 @src={{
 uri '${partition}/${namespace}/${dc}/license'

```



```

 (hash
 partition=route.params.partition
 nspace=route.params.nspace
 dc=route.params.dc
)
 }}
as |loader|>

{{#let
 loader.data
as |item|}}
 <BlockSlot @name="error">
 <ErrorState
 @error={{loader.error}}
 @login={{route.model.app.login.open}}
 />
 </BlockSlot>

 <BlockSlot @name="disconnected" as |after|>
 {{#if (eq loader.error.status "404")}}
 <Hds::Toast @color='warning'
 {{notification
 sticky=true
 }} as |T|>
 <T.Title>Warning!</T.Title>
 <T.Description>This service has been deregistered and no longer exists in the catalog.</T.Description>
 </Hds::Toast>
 {{else if (eq loader.error.status "403")}}
 <Hds::Toast @color='critical'
 {{notification
 sticky=true
 }} as |T|>
 <T.Title>Error!</T.Title>
 <T.Description>You no longer have access to this service.</T.Description>
 </Hds::Toast>
 {{else}}
 <Hds::Toast @color='warning'
 {{notification
 sticky=true
 }} as |T|>
 <T.Title>Warning!</T.Title>
 <T.Description>An error was returned whilst loading this data, refresh to try again.</T.Description>
 </Hds::Toast>
 {{/if}}
 </BlockSlot>

 <BlockSlot @name="loaded">
 <div class="tab-section">

```

```

<section
 class={{class-map
 'validity'
 (array 'valid' item.Valid)
 }}
>
<header>
 <h2>
 {{compute (fn route.t 'expiry.header')}}
 </h2>
</header>

<p>
 {{compute (fn route.t 'expiry.${type}.body'
 (hash
 type=(if item.Valid 'valid' 'expired')

date=(format-time item.License.expiration_time
 year='numeric'
 month='long'
 day='numeric'
)
time=(format-time item.License.expiration_time
 hour12=true
 hour='numeric'
 hourCycle='h12'
 minute='numeric'
 second='numeric'
 timeZoneName='short'
)
htmlSafe=true
)}}
</p>

<dl>
 <dt class={{class-map
 (array 'valid' item.Valid)
 (array 'expired' (not item.Valid))
 (array 'warning' (temporal-within item.License.expiration_time 2629800000))
 }}
 >
 {{compute (fn route.t 'expiry.${type}.header'
 (hash
 type=(if item.Valid 'valid' 'expired')
)
)}}
 </dt>

```

```

<dd>
 {{temporal-format item.License.expiration_time}}
</dd>
</dl>

<aside>
 <header>
 <h3>
 {{compute (fn route.t 'documentation.title')}}
 </h3>
 </header>
 <div class="flex gap-1.5 flex-col">
 <Hds::Link::Standalone
 @text={{compute (fn route.t 'documentation.links.license-expiration.text')}}
 @href={{concat (env 'CONSUL_DOCS_URL') (compute (fn route.t 'documentation.links.license-
expiration.link'))}}'
 @icon='docs-link'
 @iconPosition='trailing'
 />
 <Hds::Link::Standalone
 @text={{compute (fn route.t 'documentation.links.renewing-license.text')}}
 @href={{concat (env 'CONSUL_DOCS_URL') (compute (fn route.t 'documentation.links.renewing-
license.link'))}}'
 @icon='docs-link'
 @iconPosition='trailing'
 />
 <Hds::Link::Standalone
 @text={{compute (fn route.t 'documentation.links.applying-new-license.text')}}
 @href={{concat (env 'CONSUL_DOCS_URL') (compute (fn route.t 'documentation.links.applying-new-
license.link'))}}'
 @icon='docs-link'
 @iconPosition='trailing'
 />
 </div>
</aside>

</section>
</div>
</BlockSlot>
{{/let}}
</DataLoader>
</Route>
// Copyright (c) HashiCorp, Inc.
// SPDX-License-Identifier: MPL-2.0

```

```
package api
```

```

import (
 "io"
 "strings"
 "time"
)

type License struct {
 // The unique identifier of the license
 LicenseID string `json:"license_id"`

 // The customer ID associated with the license
 CustomerID string `json:"customer_id"`

 // If set, an identifier that should be used to lock the license to a
 // particular site, cluster, etc.
 InstallationID string `json:"installation_id"`

 // The time at which the license was issued
 IssueTime time.Time `json:"issue_time"`

 // The time at which the license starts being valid
 StartTime time.Time `json:"start_time"`

 // The time after which the license expires
 ExpirationTime time.Time `json:"expiration_time"`

 // The time at which the license ceases to function and can
 // no longer be used in any capacity
 TerminationTime time.Time `json:"termination_time"`

 // Whether the license will ignore termination
 IgnoreTermination bool `json:"ignore_termination"`

 //
 // The product the license is valid for
 Product string `json:"product"`

 // License Specific Flags
 Flags map[string]interface{} `json:"flags"`

 // Modules is a list of the licensed enterprise modules
 Modules []string `json:"modules"`

 // List of features enabled by the license
 Features []string `json:"features"`
}

```

```

type LicenseReply struct {
 Valid bool
 License *License
 Warnings []string
}

func (op *Operator) LicenseGet(q *QueryOptions) (*LicenseReply, error) {
 var reply LicenseReply
 if _, err := op.c.query("/v1/operator/license", &reply, q); err != nil {
 return nil, err
 } else {
 return &reply, nil
 }
}

func (op *Operator) LicenseGetSigned(q *QueryOptions) (string, error) {
 r := op.c.newRequest("GET", "/v1/operator/license")
 r.params.Set("signed", "1")
 r.setQueryOptions(q)
 _, resp, err := op.c.doRequest(r)
 if err != nil {
 return "", err
 }
 defer closeResponseBody(resp)
 if err := requireOK(resp); err != nil {
 return "", err
 }

 data, err := io.ReadAll(resp.Body)
 if err != nil {
 return "", err
 }

 return string(data), nil
}

// LicenseReset will reset the license to the builtin one if it is still valid.
// If the builtin license is invalid, the current license stays active.
//
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set via agent configuration instead of through the API
func (op *Operator) LicenseReset(opts *WriteOptions) (*LicenseReply, error) {
 var reply LicenseReply
 r := op.c.newRequest("DELETE", "/v1/operator/license")
 r.setWriteOptions(opts)
 _, resp, err := op.c.doRequest(r)
 if err != nil {

```

```

 return nil, err
}
defer closeResponseBody(resp)
if err := requireOK(resp); err != nil {
 return nil, err
}
if err := decodeBody(resp, &reply); err != nil {
 return nil, err
}
return &reply, nil
}

// LicensePut will configure the Consul Enterprise license for the target datacenter
//
// DEPRECATED: Consul 1.10 removes the corresponding HTTP endpoint as licenses
// are now set
// via agent configuration instead of through the API
func (op *Operator) LicensePut(license string, opts *WriteOptions) (*LicenseReply, error) {
 var reply LicenseReply
 r := op.c.newRequest("PUT", "/v1/operator/license")
 r.setWriteOptions(opts)
 r.body = strings.NewReader(license)
 _, resp, err := op.c.doRequest(r)
 if err != nil {
 return nil, err
 }
 defer closeResponseBody(resp)
 if err := requireOK(resp); err != nil {
 return nil, err
 }

 if err := decodeBody(resp, &reply); err != nil {
 return nil, err
 }

 return &reply, nil
}

layout: docs
page_title: Enterprise Licenses
description: >-
 Consul Enterprise server, client, and snapshot agents require a license on startup in order to use Enterprise features.
 Learn how to apply licenses using environment variables or configuration files.

Consul Enterprise License

Licensing Overview

```

All Consul Enterprise agents must be licensed when they are started. Where that license comes from will depend on which binary is in use, whether the agent is a server, client or snapshot agent, and whether ACLs have been enabled for the cluster.

-> **\*\* Consul Enterprise 1.10.0 removed temporary licensing.\*\*** Prior to 1.10.0, Consul Enterprise agents could start without a license and then have a license applied to them later on via the CLI or API. That functionality has been removed and replaced with the ability to load licenses from the agent's configuration or environment. Also, prior to 1.10.0, server agents would automatically propagate the license between themselves.

This no longer occurs and the license must be present on each server agent when it is started.

Consul Enterprise 1.14.0, when running on Kubernetes, removed client agents and replaced these with virtual agents.

Virtual agents are nodes that Consul service mesh services run on. HashiCorp uses virtual agents to determine license entitlements for customers on per-node licensing and pricing agreements.

-> Visit the [\[Enterprise License Tutorial\]\(/nomad/tutorials/enterprise/hashicorp-enterprise-license?utm\\_source=docs\)](https://nomad.tutorials/enterprise/hashicorp-enterprise-license?utm_source=docs) for detailed steps on how to install the license key.

### ### Applying a License

For Consul Enterprise 1.10.0 or greater, a license must be available at the time the agent starts.

For server agents this means that they must either have the `[`license_path`](/consul/docs/agent/config/config-files#license_path)`

configuration set or have a license configured in the servers environment with the ``CONSUL_LICENSE`` or ``CONSUL_LICENSE_PATH`` environment variables. Both the configuration

item and the ``CONSUL_LICENSE_PATH`` environment variable point to a file containing the license whereas the ``CONSUL_LICENSE`` environment variable should contain the license as the value. If multiple variables are set, the following order of precedence applies:

1. ``CONSUL_LICENSE`` environment variable
2. ``CONSUL_LICENSE_PATH`` environment variable
3. ``license_path`` configuration item.

Client agents and `[snapshot agents](/consul/docs/enterprise/backups)`

may also be licensed in the very same manner.

However, to avoid the need to configure the license on many client agents and snapshot agents, those agents have the capability to retrieve the license automatically under the conditions described below.

Virtual agents do not need the license to run.

Updating the license for an agent depends on the method you used to apply the license.

- **\*\*If you used the ``CONSUL_LICENSE`` environment variable\*\***: After updating the environment variable, restart the affected agents.

- **\*\*If you used the**

``CONSUL_LICENSE_PATH``

environment variable\*\*: Update the license file first. Then, restart the affected agents.

- \*\*If you used the ``license_path`` configuration item\*\*: Update the license file first. Then, run [``consul reload``](/consul/commands/reload) for the affected agents.

#### #### Client Agent License Retrieval

When a client agent starts without a license in its configuration or environment, it will try to retrieve the license from the servers via RPCs. That RPC always requires a valid non-anonymous ACL token to authorize the request but the token doesn't need any particular permissions. As the license is required before the client actually joins the cluster, where to make those RPC requests to is inferred from the [``retry_join``](/consul/docs/agent/config/config-files#retry\_join) configuration. If ``retry_join`` is unset or no [``agent` token`](/consul/docs/agent/config/config-files#acl\_tokens\_agent) is set then the client agent will immediately shut itself down.

If all preliminary checks

pass the client agent will attempt to reach out to any server on its RPC port to request the license. These requests will be retried for up to 5 minutes and if it is unable to retrieve a license within that time frame it will shut itself down.

If ACLs are disabled then the license must be provided to the client agent through one of the three methods listed below.

Failure in providing the client agent with a licence will prevent the client agent from joining the cluster.

1. ``CONSUL_LICENSE`` environment variable
2. ``CONSUL_LICENSE_PATH`` environment variable
3. ``license_path`` configuration item.

#### #### Snapshot Agent License Retrieval

The snapshot agent has similar functionality to the client agent for automatically retrieving the license. However, instead of requiring a server agent to talk to, the snapshot agent can request the license from the server or client agent it would use for all other operations. It still requires an ACL token to authorize the request. Also like client agents,

the snapshot agent will shut itself down after being unable to retrieve the license for 5 minutes.

/\*\*

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\*/

```
.consul-intention-permission-header-list {
 dt::before {
 @extend %with-glyph-icon;
 content: 'H';
 }
}
```



```
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */
```

```
.consul-intention-permission-list {
 .detail > div {
 display: flex;
 width: 100%;
 }
 strong {
 margin-right: 8px;
 }
}
```

```
/**
 * Copyright (c) HashiCorp, Inc.
 * SPDX-License-Identifier: BUSL-1.1
 */
```

```
.consul-intention-permission-list {
 dt::before {
 @extend %with-glyph-icon;
 }
 dl.permission-methods dt::before {
 content: 'M';
 }
 dl.permission-path dt::before {
 content: 'P';
 }
 dl.permission-header dt::before {
 content: 'H';
 }
}
```

```
{{!
Copyright (c) HashiCorp, Inc.
SPDX-License-Identifier: BUSL-1.1
}}
```

```
{{#if isVisible}}
<Hds::Alert @type="inline" class='mb-3 mt-2 agentless-node-notice' data-test-node-agentless-notice as |A|>
 <A.Title>
 {{t 'routes.dc.nodes.index.agentless.notice.header'}}
 <Hds::Button
 @color='secondary'
 @text='Dismiss notice'
 {{on 'click' this.dismissAgentlessNotice}}
 @icon='x'
 @size='small'
```

```

 @isIconOnly={{true}}
 />
</A.Title>
<A.Description>{{t 'routes.dc.nodes.index.agentless.notice.body'}}</A.Description>
<A.Link::Standalone @href='{{env "CONSUL_DOCS_DEVELOPER_URL"}}/connect/dataplane'
 @text={{t 'routes.dc.nodes.index.agentless.notice.footer'}}
 @icon='docs-link'
 @iconPosition='trailing' />
</Hds::Alert>
{{/if}}
/*!
* QUnit 2.19.4
* https://qunitjs.com/
*
* Copyright OpenJS Foundation and other contributors
* Released under the MIT license
* https://jquery.org/license
*/
{!!
Copyright (c) HashiCorp, Inc.
SPDX-License-Identifier: BUSL-1.1
}}

```

```

<Hds::Alert @type="inline" class="mb-3 mt-2" as |A|>
<A.Description>{{t "components.consul.intention.notice.permissions.body"}}</A.Description>
<A.Link::Standalone
 @text={{t "components.consul.intention.notice.permissions.footer"}}
 @href="{{env 'CONSUL_DOCS_URL'}}/connect/intentions"
 @icon="docs-link"
 @iconPosition="trailing"
 @size="small"
 />
</Hds::Alert>

```

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```
{
 "name": "envoy.filters.http.jwt_authn",
 "typedConfig": {
 "@type": "type.googleapis.com/envoy.extensions.filters.http.jwt_authn.v3.JwtAuthentication",
 "providers": {
 "auth0": {
 "issuer": "another-issuer",
 "payloadInMetadata": "jwt_payload_auth0",
 "remoteJwks": {
 "asyncFetch": {
 "fastListener": true
 },
 },
 "httpUri": {
 "cluster": "jwks_cluster_auth0",
 "timeout": "1s",
```

```

 "uri": "https://example-auth0.com/.well-known/jwks.json"
 }
},
"okta": {
 "issuer": "test-issuer",
 "payloadInMetadata": "jwt_payload_okta",
 "remoteJwks": {
 "asyncFetch": {
 "fastListener": true
 },
 "httpUri": {
 "cluster": "jwks_cluster_okta",
 "timeout": "1s",
 "uri": "https://example-okta.com/.well-known/jwks.json"
 }
 }
},
"rules": [
 {
 "match": {
 "prefix": "/"
 },
 "requires": {
 "requiresAll": {
 "requirements": [
 {
 "requiresAny": {
 "requirements": [
 {
 "providerName": "okta"
 },
 {
 "allowMissingOrFailed": {}
 }
]
 }
 }
]
 },
 {
 "requiresAny": {
 "requirements": [
 {
 "providerName": "auth0"
 },
 {
 "allowMissingOrFailed": {}
 }
]
 }
 }
 }
 }
]

```



```

 </label>
 {{/each}}
 </div>
 </div>
</fieldset>

<fieldset>
 <header>
 <h2>Path</h2>
 </header>
 <div>
 <group.Element
 @name="PathType"
 @type="select"
 as |el|>
 <el.Label>
 Path type
 </el.Label>
 <PowerSelect
 @options={{pathTypes}}
 @selected={{pathType}}
 @onChange={{action 'change' 'HTTP.PathType' changeset}} as |Type|>
 {{get pathLabels Type}}
 </PowerSelect>
 </group.Element>

 {{#if shouldShowPathField}}
 <group.Element
 @name="Path"
 @error={{changeset-get changeset 'error.HTTP.Path'}}
 as |el|>
 <el.Label>
 {{get pathLabels pathType}}
 </el.Label>
 <el.Text
 @value={{changeset-get changeset 'HTTP.Path'}}
 oninput={{action 'change' 'HTTP.Path' changeset}}
 />
 <State @state={{el.state}} @matches="error">
 <el.Error>

 {{#if (eq (changeset-get changeset 'HTTP.Path') 'Regex')}}
 Path Regex should not be blank
 {{else}}
 Path should begin with a '/'
 {{/if}}
 </el.Error>
 </State>
 </group.Element>
 {{/if}}
 </div>
</fieldset>

```

```

 </group.Element>
 {{/if}}

</div>
</fieldset>

<fieldset>
 <h2>Methods</h2>
 <div class="type-toggle">
 All methods are applied by default unless specified
 <group.Element
 @name="allMethods"
 as |el|>
 <el.Checkbox
 checked={{if allMethods 'checked'}}
 onchange={{action 'change' 'allMethods' changeset}}
 />
 <el.Label>
 All Methods
 </el.Label>
 </group.Element>
 </div>

 {{#if shouldShowMethods}}
 <div class="checkbox-group" role="group">
 {{#each methods as |method|}}
 <label class="type-checkbox">
 <input
 type="checkbox"
 name="method"
 value={{method}}

 checked={{if (includes method changeset.HTTP.Methods) 'checked'}}
 onchange={{action 'change' 'method' changeset}}
 />
 {{method}}
 </label>
 {{/each}}
 </div>
 {{/if}}
</fieldset>

<fieldset>
 <h2>Headers</h2>

 <Consul::Intention::Permission::Header::List
 @items={{changeset-get changeset 'HTTP.Header'}}
 @ondelete={{action 'delete' 'HTTP.Header' changeset}}
 >

```



```

as |headerList|>

</Consul::Intention::Permission::Header::List>

<Consul::Intention::Permission::Header::Form
 @onsubmit={{ {action 'add' 'HTTP.Header' changeset} }}
as |headerForm|>
 <Ref @target={{ {this} }} @name="headerForm" @value={{ {headerForm} }} />
</Consul::Intention::Permission::Header::Form>

<Hds::ButtonSet>
 <Hds::Button
 data-test-add-header
 @text='Add{{ {if (gt (get (changeset-get changeset 'HTTP.Header') 'length') 0) ' another' ''} }} header'
 @color='primary'
 disabled={{ {if (not this.headerForm.isDirty)
'disabled'}} }}
 onclick={{ {action this.headerForm.submit} }}
 />
 <Hds::Button
 @text='Cancel'
 @color='secondary'
 onclick={{ {action this.headerForm.reset} }}
 />
</Hds::ButtonSet>
</fieldset>
</FormGroup>
</div>

```

# 1.85 mennanov-limiters 1.6.0

## 1.85.1 Available under license :

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## 1.86

**google.golang.org/genproto/googleapis/rpc**  
**0.0.0-20240610135401-a8a62080eff3**

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# 1.87 [github.com/aws/aws-sdk-go-v2/internal/endpoints/v2](https://github.com/aws/aws-sdk-go-v2/internal/endpoints/v2) 2.6.9

## 1.87.1 Available under license :

```
// Code generated by smithy-go-codegen DO NOT EDIT.
```

```
package licensemanager
```

```
import (
 "context"
 "fmt"
```

```

awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
"github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
"github.com/aws/smithy-go/middleware"
smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 // Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //

```

```

// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde

```



```

}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }

```

```

}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
}

```

```

if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
 name: License Scan
 runs-on: ubuntu-latest
 strategy:
 matrix:
 python-version: [3.9]

 steps:
 - name: Checkout target
 uses: actions/checkout@v2
 with:
 path: sdkbase
 ref: ${ github.base_ref }
 - name: Checkout this ref
 uses: actions/checkout@v2
 with:
 path: new-ref
 fetch-depth: 0
 - name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${ github.event.pull_request.base.sha }
${ github.sha } > refDiffFiles.txt
 - name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
 - name: Checkout scancode
 uses: actions/checkout@v2

```

```

with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${ matrix.python-version }
 uses: actions/setup-python@v2
with:
 python-version: ${ matrix.python-version }
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

```

package grafana

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
}

```

```

out := result.(*DisassociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

```

```

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

```

```

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

```

```

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");

```

```

err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {

```

```

 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
}
}

```

```

OperationName: "DisassociateLicense",
}
}
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Directory",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 }
 },
 "ActiveDirectorySettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration.</p>"
 }
 },
 "ActiveDirectoryType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType",
 "traits": {
 "smithy.api#documentation": "<p>The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about an Active Directory identity provider.</p>"
 }
 }
}

```



```

 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings": {
 "type": "structure",
 "members": {
 "DomainName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
 }
 },
 "DomainIpv4List": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IpV4List",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active Directory.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 2
 }
 }
 },
 "DomainCredentialsProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that contains information about the credential provider for user administration.</p>"
 }
 },
 "DomainNetworkSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an array of subnets that apply for the Active Directory.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network access and credential details that are needed for user administration in the Active Directory.</p>"
 }
 },
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {

```

```

 "name": "SELF_MANAGED",
 "value": "SELF_MANAGED",
 "documentation": "SELF_MANAGED type of Active Directory"
 },
 {
 "name": "AWS_MANAGED",
 "value": "AWS_MANAGED",
 "documentation": "AWS_MANAGED type of Active Directory"
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {

```



information for the user to associate.</p>"

```
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the user association.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
},
"com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licenseanagerusersubscriptions#ConflictException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current state of the\n\t\t\t\tresource.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpoint": {
 "type": "operation",
```

```

"input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest"
},
"output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a network endpoint for the Remote Desktop Services (RDS)
license server.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/CreateLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the

```

`IdentityProvider` resource that contains details about a registered identity provider. In the case of Active Directory, that can be a self-managed Active Directory or an Amazon Web Services Managed Active Directory that contains user identity details.

```
 "smithy.api#required": {}
 },
 "LicenseServerSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The LicenseServerSettings resource to create for the endpoint. The settings include the type of license server and the Secrets Manager secret that enables administrators to add or remove users associated with the license server.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse": {
 {
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider specified in the request.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The ARN of the LicenseServerEndpoint resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
 }
}
```



```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/DeleteLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
 "traits": {
 "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```



```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License Manager user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
 "type": "structure",
 "members": {

```

```

 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",

 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Directory":
{
 "type": "string",

```

```

 "traits": {
 "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":

```

```

{
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to disassociate.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {

```

```

 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory domain.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 },
 "Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",

```



```

 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the
registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC
endpoints.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the identity provider.</p>",
 }
 },
 "smithy.api#required": {}
},
"IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
 }
},
"FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes an identity provider.</p>"
},
"com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",

```

```

 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
 }
 },
 },

```





```

 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
information for the product subscription.</p>"
 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
},
"com.amazonaws.licenseanagerusersubscriptions#IpV4": {
 "type": "string",
 "traits": {

```

```

 "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#IPv4List": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IPv4"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpoints"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations"
 }
]
}

```

```

 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [

```



```

 {
 "ref": "Endpoint"
 }
]
}
],
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},

```

```

 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
},
{
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "fn": "booleanEquals",
 "argv": [

```

```

 {
 "ref": "UseDualStack"
 },
 true
]
}
],
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",

"argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 },
 },

{
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]

}
],
"rules": [
 {
 "conditions": [],
 "endpoint": {

```



```

 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],

"type": "tree"
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 "ref": "UseFIPS"
],
 true
 }
]
},
],
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 "ref": "PartitionResult"
],
 "supportsFIPS"
 }
]
 }
]
 }
]

```

```

 },
 true
]
}
],
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
}
],

"type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
},
],
"rules": [
 {
 "conditions": [

 {
 "fn": "booleanEquals",
 "argv": [
 true,

```

```

 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
}

 },
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
"type": "tree"
}

```

```

],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
 }
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

"UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {

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```

 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{

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```

 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack":
false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 },

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```

 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 },
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
 },
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {

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```

 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
},

"params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{

```



```

 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 },
 "params": {
 "Region": "us-east-1",

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```

 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint":
"https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {

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```

 "error": "Invalid Configuration: Missing Region"
 },
 {
 "version": "1.0"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
 "type": "structure",
 "members": {
 "ProvisioningStatus": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS
\n\t\t\t\tlicense server.</p>"
 }
 },
 "HealthStatus": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
 "traits": {
 "smithy.api#documentation": "<p>The health status of the RDS license server.</p>"
 }
 },
 "Ipv4Address": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the RDS
\n\t\t\t\tlicense server.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a Remote Desktop Services (RDS) license
server.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider that's
associated with \n\t\t\t\tthe RDS license server endpoint.</p>"
 }
 },

```





```

 },
 {
 "name": "DELETION_FAILED",
 "value": "DELETION_FAILED",
 "documentation": ""
 },
 {
 "name": "DELETED",
 "value": "DELETED",
 "documentation": ""
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "HEALTHY",
 "value": "HEALTHY",
 "documentation": ""
 },
 {
 "name": "UNHEALTHY",
 "value": "UNHEALTHY",
 "documentation": ""
 },
 {
 "name": "NOT_APPLICABLE",
 "value": "NOT_APPLICABLE",
 "documentation": ""
 }
]
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
 "type": "structure",
 "members": {
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",

```

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 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",

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 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
}

```

```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },

 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Product</p>\n \n \n <p>DirectoryId</p>\n
\n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```



```

 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList",
 "traits": {

 "smithy.api#documentation": "<p>An array of IdentityProviderSummary resources that
 contain details about the Active Directory identity providers that meet the request criteria.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
 empty, there are additional elements that the service hasn't included in this request. Use this token
 with the next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
]
 }
 }

```

```

 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>InstanceId</p>\n

```



```

 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/ListLicenseServerEndpoints"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "LicenseServerEndpoints"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>",
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n"
 }
 }
 }
}

```



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 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type":
"structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n

```

```

 </p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>Username</p>\n
\n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 }
 }
}

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 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to
retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
},
"traits": {
 "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#readonly": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "traits": {

"smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits":
{
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required":
{}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 },
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline
results:</p>\n \n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 },
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 },
 },
},
"traits": {
 "smithy.api#input": {}
},
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 },
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 },
 },
 },
},
"traits": {
 "smithy.api#output": {}
},
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {

```

```

 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The status of a product for this user.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The domain name of the Active Directory
that contains the user information for the product subscription.</p>"
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings": {
 "type": "structure",
 "members": {
 "RdsSalCredentialsProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to the credentials provider that's used for RDS license server user administration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider": {
 "type":

```

```

"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider to register.</p>",

```

```

 "smithy.api#required": {}
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "\n<p>The registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
 },

```

```

"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider":
{
 "type": "structure",
 "members": {
 "SecretId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
 "smithy.api#length": {
 "min": 1
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-(((0-9a-z){8})|((0-9a-z){17}))$"
 }
}

```











```

 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",

```

```

"members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An
object that specifies details for the identity provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The
domain name of the Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription

```

```

operation.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#output": {}
},
},
"com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#TagResource": {

"type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse"
 }
}

```

```

 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want to tag.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse": {

```



```

 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Tags": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 }
],

```

```

 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes
tags from a resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {

```



```

 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the
identity provider to update.</p>"
 }
 },
 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
 \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
 \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint

```

```
for products that\n\t\trequire connectivity to activation servers.</p>",
 "smithy.api#required": {}
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688 communication between resources in\n\t\t\t\tyour VPC and the VPC endpoints for activation servers.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>Updates the registered identity providers product related configuration settings such as\n\t\t\t\tthe subnets to provision VPC endpoints.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.
```

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
```

```

"github.com/aws/smithy-go/middleware"
smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //
 // - ProductSKU
 //
 // - Fingerprint
 //
 // - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

```

```

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
}

```

```

}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
}

```



```

if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil
{
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)

```

```

if err != nil {
 return nil, err
}

out := result.(*CreateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //
 // This member is required.
 Issuer *types.Issuer

 // License name.
 //
 // This member is required.

```

```

LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
return err
}

```

```

}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```

```

}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack);
err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

```

```

noSmithyDocumentSerde
}

type
CheckInLicenseOutput struct {
// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if
err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}

```

```

}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
}

```



```

if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
ListLicenses
Initialize stack step
 spanInitializeStart
 RegisterServiceMetadata
 legacyEndpointContextSetter
 SetLogger
 spanInitializeEnd
Serialize stack step
 spanBuildRequestStart
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
 spanBuildRequestEnd
Finalize stack step
 ResolveAuthScheme
 GetIdentity

```

```

ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
}

```

```

if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);

```

```

err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}

CheckoutLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation

```

spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
DisassociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step

ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step

```

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata

```



```

return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed

```

[]types.EntitlementData

// Date and time at which the license checkout expires.

Expiration \*string

// Date and time at which the license checkout is issued.

IssuedAt \*string

// Amazon Resource Name (ARN) of the license.

LicenseArn \*string

// License consumption token.

LicenseConsumptionToken \*string

// Node ID.

NodeId \*string

// Signed token.

SignedToken \*string

// Metadata pertaining to the operation's result.

ResultMetadata middleware.Metadata

noSmithyDocumentSerde

}

```
func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
```

```
 return err
```

```
 }
```

```
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
```

```
 if err != nil {
```

```
 return err
```

```
 }
```

```
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
```

```
 if err != nil {
```

```
 return
```

```
 err
```

```
 }
```

```
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
```

```
 }
```

```
 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
```

```
 return err
```

```
 }
```

```
 if err = addSetLoggerMiddleware(stack, options); err != nil {
```

```

return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
return err
}
}

```

```

if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
 }
}
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter

```

SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AWS SDK for Go  
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Copyright 2014-2015 Stripe, Inc.  
ListReceivedLicenses  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart

```

setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {

```

```

 params = &DeleteLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*DeleteLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
}

```

```

err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```



```

}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if
err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}

```

```

}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
}
}
CreateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever

```

```

OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/DeregisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {

```

```

 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 }
}

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type":
"list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetRegisteredSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {

```





```

"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists
the settings defined for Linux subscriptions discovery. The settings include if Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 }
 }
 }
}

```



```

 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see<n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage<n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage<n operation values in the <i>License Manager User Guide</i> .</p>"
 }
 }
 }

```

```

 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery updated the instance
details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
 }
 },
 "OsVersion": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The operating system software version that runs on your
instance.</p>"
 }
 },
 "SubscriptionProviderCreateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses.</p>"
 }
 },
 "SubscriptionProviderUpdateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the
registered \n\t\t\tthird-party Linux subscription provider.</p>"
 }
 },
 "DualSubscription": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for
\n\t\t\tthe same software on your instance.</p>"
 }
 },
 "RegisteredWithSubscriptionProvider": {
 "target": "smithy.api#String",
 "traits": {

```



```

 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 },
 "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager Linux Subscriptions",

```

```

"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [

```

```

 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }

],

 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
 }
]
}

],

 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}

],
"type": "tree"

}

],

```

```

 "type": "tree"
 },
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "rules": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"

```

```

 },
 true
]
}

],

"rules": [
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
]
 }
],
 "supportsFIPS"
 }
]
},
{
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
},
{
 "conditions": [],
}
],

"rules": [
{

```



```

 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

 "type": "tree"
 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
 }
],
 "type": "tree"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [

```



```

 },
 true
]
}
],
"rules": [
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
}
],
"rules": [
{
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
}
],
"type": "tree"
},

```

```

 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
}
],
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 }
 }
]
}

```

```

 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 }
 },
 {
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
}

```

```

 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 }
 }
]
}

```

```

 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },

```

```

{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,

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 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS":
false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",

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 "UseFIPS": false,
 "UseDualStack": true
 }
},
{

 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{

```

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 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 }
],
 {
 "name": "Disabled",

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 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation":
"<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
]
}

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 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>.</p>\n <p>For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results:</p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>DualSubscription</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>For each filter, you can use one of the following <code>Operator</code> values to \n \tdefine the behavior of the filter:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n \n }
 },
 "MaxResults": {

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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
 }
 }
 },
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\nOrganizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 }
 },
 "items": "Subscriptions"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n \n <p>\n <code>Subscription</code>\n </p>\n \n \n <p>The valid Operators for this filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 }
 }
}

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 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
 },
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
 }
 }
 },
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
 "type": "operation",
 "input": {
 "target":

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"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"

 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListRegisteredSubscriptionProviders"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "RegisteredSubscriptionProviders"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSources": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
 "traits": {
 "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\t\tin the list.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",

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"traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
},

 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse": {
 "type": "structure",
 "members": {
 "RegisteredSubscriptionProviders": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList",
 "traits": {
 "smithy.api#documentation": "<p>The list of BYOL registration resources that fit the criteria \n\t\t\t\t\tyou specified in the request.</p>"
 }
 },

 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",

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 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/RegisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

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```

 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
 }
 },
 "SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits":
{
 "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
 }
 }
 }
}

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 },
 "LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"
 }
},
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",

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 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
}

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 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 {
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included
with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services
Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as
OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this
subscription.</p>"
 }
 }
 },
 {
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
 "type": "string",

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 "traits": {
 "smithy.api#enum": [
 {
 "name": "RedHat",
 "value": "RedHat",
 "documentation": "RedHat subscription provider namespace"
 }
]
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "ACTIVE",
 "value": "ACTIVE",
 "documentation": "ACTIVE status"
 },
 {
 "name": "INVALID",
 "value": "INVALID",
 "documentation": "INVALID status"
 }
]
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,

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 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to which to add the specified metadata tags.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "tags": {

```

```

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags to assign to the Amazon Web Services resource.
Tags are \n\t\t\tformatted as key value pairs.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
}

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web Services resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "tagKeys": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 }
 }
 }

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 }
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target":
"smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being applied.</p>"
 }
 }
 }
}

```



```

 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },

 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
 }
}

```

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity

```

ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
// Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
}

```

```

}

out := result.(*AssociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {

```

```

 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
}

```

```

if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=

```

```

nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}
}
}

```

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```
package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Lists received licenses.
```

```
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type ListReceivedLicensesInput struct {
```

```
 // Filters to scope the results. The following filters are supported:
```

```
 //
```

```
 // - ProductSKU
```

```

//
// - Status
//
//
// - Fingerprint
//
// - IssuerName
//
// - Beneficiary
Filters []types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

// Received license details.
Licenses []types.GrantedLicense

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},

```

```

middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```

```

if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,

```

```
ServiceID: ServiceID,
OperationName: "ListReceivedLicenses",
}
}
```

DeleteLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

```
{
 "smithy": "2.0",
 "metadata": {
```



```

"suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
},
"shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckInLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CreateGrant"
 },
]
 }
}

```

```

{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},
{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
},
},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
 },
 {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
 },
 {
 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
 },
 {
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
 },
 {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
 },
 {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenses"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
 },
 {
 "target": "com.amazonaws.licensemanager#ListResourceInventory"
 },
 {
 "target": "com.amazonaws.licensemanager#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#ListTokens"
 },
 {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#RejectGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 }
}

```

```

 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send
this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [

```

```

 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 }
 }
 }
]
}

```

```

 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
},
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
]
 },
],
 "assign": "PartitionResult"
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref":
"UseFIPS"
 },
 true
]
 }
],
 }
]
}

```

```

 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 },
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
 "type": "tree",
 "rules": [

```



```

 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
]
},
{
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,

 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"

```

```

 },
 "supportsFIPS"
]
}
]
}
],
"type": "tree",
"rules": [
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
{
 "conditions": [],
 "error": "FIPS is enabled but this
partition does not support FIPS",
 "type": "error"
}
],
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [

```

```

 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 "supportsDualStack"
]
 }
]
},
"type": "tree",
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
],
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]

```

```

 },
 {
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
 }
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
]
}

```

```

 }
 },
 {
 "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
},
{
 "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-1.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "ap-southeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ca-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ca-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
}

```

```

 },
 {
 "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-north-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region":
"eu-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-1.amazonaws.com"
 }
 }
 }
]
}

```

```

 },
 "params": {
 "Region": "eu-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
 "expect": {

 "endpoint": {
 "url": "https://license-manager.eu-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.me-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "me-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

```



```

{
 "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.sa-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "sa-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-2.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },

```

```

{
 "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.api.aws"
 }
 },

```

```

 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{

```

```

 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",

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 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.api.aws"
 }
 },
},
"params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
}
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {

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 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

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 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,

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 "UseDualStack": false
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 },
 "params": {
 "UseFIPS": false,

 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 }
 }
 }
 }
}

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 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
}
],
"version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",

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 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {}
 }
},
"code": "ServiceAccessDenied",
"httpResponseCode": 401
},
"smithy.api#documentation": "<p>Access to resource denied.</p>",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
 },
 "ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
 }
 }
}

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 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}: [A-Za-
z0-9_/.-]{0,63}: [A-Za-z0-9_/.-]{0,63}: [A-Za-z0-9][A-Za-z0-9:/+=, @. -]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError":
{
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",

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 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},

"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
},

"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
},

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"com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
}

```



```

 },
 "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicense":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 }
]
 }

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 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

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 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {}
 }
 }
}

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 "smithy.api#documentation": "<p>License consumption token.</p>"
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",

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"input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the\naccount that created the license is the same that is performing the check out, you must\n specify the account\nas the beneficiary.</p>\n </note>"
 }
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {

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 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
 }
}

```

```

 }
 }
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {

```

```

 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 36
 }
 }
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,

```



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 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {

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 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

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 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href='\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
},
"Principals": {

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 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name\n (ARN):</p>\n \n \n <p>An Amazon Web Services
account, which includes only the account specified.</p>\n \n \n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n
 \n <p>An organization, which will include all accounts across your organization.</p>\n
 \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 }
 },
 "Version": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},

```

```

"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 }
 },
 "smithy.api#required": {}
 },
},
"GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},
"StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
},
"SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
}

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 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

```



```

 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.

```

```

Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
 <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |
<code>minimumCores</code>\n </p>\n \n \n <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
 <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n
\n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n </p>\n \n \n <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n
<code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
 }
 },

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
 },

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {

 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

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"traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {

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```

"type": "structure",
"members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n \n \n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n
",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {

```



```

 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
},
"LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
},
"ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 }
},
"traits": {

```

```

 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {

```

```

 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",

```

```

 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
},
"traits": {
 "smithy.api#output":
}
}
},
"com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],

```

```

{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
},
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
{
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use.</p>"
 }
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token.</p>"
 }
 }
}

```

```

 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {

```

```

 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```



```

 "traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 }
 }
 }
}

```

```

 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],

```

```

 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
 },

 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":
{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
}
},
"traits": {

```

```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],

```

```

{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 }
 }
}
},
"com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {

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```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {

```



```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 }
 },
 "SECONDS": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS":

```

```

{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
}
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
}

```

```

 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },
 "KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
 },
 "MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
 },
 "GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
 },
 "TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
 }

```

```

 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
},
"com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS":
 {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":
"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },

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"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},
"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
}

```



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 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementUsageList":

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{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",

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 "smithy.api#required": {}
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },

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 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
 },
 "com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
 },
 "com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",

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 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",

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 "smithy.api#required": {}
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

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 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",

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 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 }
},
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },

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"Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
},
"AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],

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{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",
 "smithy.api#required": {}
 }
 },
 "Input": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskInput",
 "traits": {
 "smithy.api#input": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information

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about the license type converted from.</p>"

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 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
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{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required":

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{}
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {

```



```

 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },

 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "target": "com.amazonaws.licensemanager#ValidationException"
 },
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
 }
},

"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {

```

```

 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 }
 }
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License

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Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

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```

 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",

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"member": {
 "target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 }
 }
}

```

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 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {

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```

 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {

```



```

 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
{
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(-(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$)"
 }
},
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},

"com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",

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```

 "smithy.api#required": {}
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CONTAINS"
 }
 }
 }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",

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 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>License
creation time.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

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 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
 },
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {

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 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
},
"AutomatedDiscoveryInformation": {

 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

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"smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
{
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 }
 },

```

```

 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 },
 "com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\\n conversion task.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":

```

```

"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 },
},
"Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
},
"StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
},
"StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
},
"LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
},
"EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
},
},
"traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
},
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

```

```

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\c[t-[a-zA-Z0-9]]*$"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseConversionTasks": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
}
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 },
 "MetadataList": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
 },
 "com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
},
"com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 }
]
}

```

```

 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
}

```



```

 "target": "com.amazonaws.licensemanager#GrantList",

 "traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 },
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {

```

```

"type": "structure",
"members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {

```



```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },

 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n
<code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n \n \n <p>\n
<code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "Filters": {

```

```

 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 }
],

```

```

{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

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 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```



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 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [

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{
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token

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for the next set of results.</p>"

```
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
```

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],

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 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

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"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 },

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 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

```



```

 "target": "com.amazonaws.licensemanager#ValidationException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
 },
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",

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"members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 },

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

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```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```

```

"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },
 "errors":
 [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
 }
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {

```

```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
],

```



```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n <p>\n <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 }
 }
 }
}

```

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 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 }
},
"com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n
\n \n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n \n \n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a

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grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see Granted licenses in
License Manager in the <i>License Manager User Guide</i>.</p>"
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
"<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
},
"ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>.</p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n \n \n "smithy.api#required": {}
 }
}
},

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```

 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
},
"com.amazonaws.licensemanager#ProductInformationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {

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 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
 },
 "com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 },
 "ReceivedStatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",

```



```

 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
 }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

```

```

 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 }
 },
 "Status": {

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 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 }
 },
}

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```

 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 }
 }
 }
}

```

```

 },
 "LastRunFailureReason":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
 },
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 }

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportType"
 }
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {

```



```

 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 },
 "com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
 }
 }

```

```

},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_INSTANCE"
 }
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "EC2_HOST"
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
},
"com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {

```

```

 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits":
{
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
 "type": "string"
},
"com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#Tag": {
 "type": "structure",
 "members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 }
 }
}

```

```

 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
 },
 "com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
 },

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 }
 },
 },

```

```

"TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes a token.</p>"
}
},
"com.amazonaws.licensemanager#TokenList": {
 "type": "list",

```

```

 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
 }
 },

```



```

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
},
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},

```

```

 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 },
 },

```

```

"LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
},
"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {

 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
configuration is licenseAffinityToHost.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
},
"Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
},
"Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

```

```

 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits": {
{
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],

```

```

 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n <p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n <p>Resource report - Reports the tracked licenses and
resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",

```

```

 "traits":
 {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },

 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 }
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 },
 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```



```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
},
"com.amazonaws.licensemanager#ValidationException": {

```

```

 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}
}

```

## 1.88 [github.com/mennanov/limiters](https://github.com/mennanov/limiters) 1.6.0

### 1.88.1 Available under license :

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## 1.89 [go.etcd.io/etcd/client/pkg/v3](https://go.etcd.io/etcd/client/pkg/v3) 3.5.14

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## 1.90 thanhpk-randstr 1.0.6

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# 1.91 alessandro-c-gomemcached-lock 1.0.0

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## 1.92 aws-aws-sdk-go-v2-internal- configsources 1.3.9

### 1.92.1 Available under license :

name: License Scan

on: [pull\_request]

jobs:

licensescan:

name: License Scan

runs-on: ubuntu-latest

strategy:

matrix:

python-version: [3.9]

steps:

- name: Checkout target

uses: actions/checkout@v2

with:

path: sdkbase

ref: \${ { github.base\_ref } }

- name: Checkout this ref

```

 uses: actions/checkout@v2
 with:
 path: new-ref
 fetch-depth: 0
 - name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${ github.event.pull_request.base.sha }
 ${ github.sha } } > refDiffFiles.txt
 - name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
 - name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
 - name: Set up Python ${ matrix.python-version }
 uses: actions/setup-python@v2
 with:
 python-version: ${ matrix.python-version }
ScanCode
 - name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
 - name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
 - name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
 - name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware

```

RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
ListReceivedLicenses  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

```
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
 }
 }
}
```

```

 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetServiceSettings"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
 "type": "structure",
 "members": {}
},
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",

```



```

 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n Organizations integration has been enabled, and
which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays
the aggregated data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 }
 }
}

```

```

 }
},
"AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
},
>Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
},
Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
},
UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
},
ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
},
LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery
updated the instance details.</p>"
 }
},
SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The name of the subscription being used by the instance.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",

```

```

 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",

 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 },
 "smithy.api#documentation": "<p>With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager Linux Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,

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```

 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
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 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

 "type": "Boolean"
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 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
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 "argv": [
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 "ref": "Endpoint"
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"rules": [
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 "argv": [
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]
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 "argv": [
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 "ref": "UseDualStack"
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]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
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 "conditions": [],

 "endpoint": {
 "url": {
 "ref": "Endpoint"
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 "properties": {},
 "headers": {}
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 "type": "endpoint"
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 "argv": [
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 "ref": "UseFIPS"
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 },
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 "argv": [
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 "ref": "UseDualStack"
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
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 "fn": "booleanEquals",
 "argv": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
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]
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 "rules": [
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 "endpoint": {
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fips.{Region}.{PartitionResult#dualStackDnsSuffix}",

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 "type": "endpoint"
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}
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```

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 "headers": {}

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 "argv": [
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 "ref": "PartitionResult"
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 "supportsDualStack"
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 "conditions": [],
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subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
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 "type": "endpoint"
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 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
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]
},

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 "rules": [
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 "conditions": [],
 "endpoint": {
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"https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
]
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {

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"endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
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},
"params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
},
},
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
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}

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 }
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint":
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 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 }
 }
}

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 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
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 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint":
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 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {

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```

 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
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 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },

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{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {

 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",

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```

 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,

 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",

```

```

 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
}
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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```

 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation": "<p>Details if you have enabled resource discovery across your
accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {

"code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",

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 "pageSize": "MaxResults",
 "items": "Instances"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by
the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n
match, or don't match a certain Amazon Machine Image (AMI) ID.</p>\n <p>The valid names for this filter
are:</p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n
\n \n <p>\n <code>InstanceID</code>\n </p>\n \n
\n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>The valid Operators for this
filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n
\n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>NotEqual</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if

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parameters in request increases."

```
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation":
 "<p>An array that contains instance objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 }
 }
 }
}
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 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Subscriptions"
 }
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n
<code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't
match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The valid Operators for this filter are:</p>\n
 \n
 \n <p>\n <code>contains</code>\n </p>\n \n
 \n <p>\n <code>equals</code>\n </p>\n \n
 \n <p>\n <code>NotEqual</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if

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parameters in request increases."

```
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
 },
}
```



```

"com.amazonaws.licenseanagerlinuxsubscriptions#OrganizationIntegration": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
 }
},
"com.amazonaws.licenseanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licenseanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
}

```

```

]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits":
{
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
"traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as"
 }
 }
}

```

OS licensing from Amazon EC2 or BYOS.</p>"

```
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux
subscription.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 }
]
 }
}
```

```

 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target": "smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",

```

```

"members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },

 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation":
"<p>A message which details the Linux subscriptions service settings current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

```

```

 "smithy.api#error": "client"
 }
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion

```

```

*string

noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err !=
 nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
}

```

```

if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {

```



```

 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

```

```

// License beneficiary.
//
// This member is required.
Beneficiary *string

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

```

```

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}
}

if

```

```

err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {

```

```

 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,

```

```

c.addOperationListReceivedLicensesMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*ListReceivedLicensesOutput)
out.ResultMetadata = metadata
return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - ProductSKU
 //
 // - Status
 //
 // - Fingerprint
 //
 // - IssuerName
 //
 // - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.
 Licenses []types.GrantedLicense

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

```

```
noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
}
```

```

}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return
&awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}

```



CheckoutLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
DisassociateLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID

ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader

setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {
```

```

// A structure containing information about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
}

```

```

if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil
{
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil

```

```

}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID:
 ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //

```

```

// This member is required.
ClientToken *string

// Digital signature method. The possible value is JSON Web Signature (JWS)
// algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
//
// [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
//
// This member is required.
DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.
//
// This member is required.
Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow
// consumption configuration.
//
// This member is required.
LicenseArn *string

// Information about constraints.
CheckoutMetadata []types.Metadata

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

```



```

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 }
 err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}

```

```

}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
 err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
}

```

```

if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
 }
}
ListLicenses
Initialize stack step
 RegisterServiceMetadata
 legacyEndpointContextSetter
 SetLogger
Serialize stack step
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware

```

RecordResponseTiming  
RequestResponseLogger  
AWS SDK for Go  
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
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DeleteLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
GetLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step

```

setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }
}

```

```

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
 }

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}

```

```

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),

```

```

middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }
}

```



```

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //
 // - ProductSKU
 //
 // - Fingerprint
 //
 // - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

 // Token for the next set of results.
 NextToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

```

```
noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
}
```

```

if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}

```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
```

```

params = &AssociateLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx,
"AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*AssociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
 GrafanaEnterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.

```

ResultMetadata middleware.Metadata

noSmithyDocumentSerde  
}

```
func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}
```

```
 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
```

```

}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}

```

```

}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type

```



```

GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err
 != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }

```

```

}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {

```

```

return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

 //
 // Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

```

```

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
// This member is required.
ClientToken *string

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

```

```

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {

```

```

return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack);
err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}

```

```

}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
return &awsmiddleware.RegisterServiceMetadata{
Region: region,
ServiceID: ServiceID,
OperationName: "CheckoutLicense",
}
}

```

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CheckInLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

Finalize stack step

```

ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Details about an Active Directory identity provider.</p>"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related
costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing
status) in Amazon Web Services Billing. For more information, see Viewing your\n
monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/AssociateUser"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest": {

```

```

"type": "structure",
"members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the
EC2 instance, which provides user-based subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licenseanagerusersubscriptions#ConflictException": {

```

```

 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n resource.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
 "smithy.api#http": {

```

```

 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [

```



```

 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based

```

```

subscriptions.</p>",
 "smithy.api#required": {}
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation":
"<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},

"com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 },
 "Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 }
 },

```

```

 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Filter"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>Details about an identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>An object that details the registered identity providers product

```

```

related configuration\n settings such as the subnets to provision VPC endpoints.</p>",
 "smithy.api#required":
{}
 }
},
"Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
},
"Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an identity provider.</p>",
 "smithy.api#required": {}
 }
},
"FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
},
"traits": {
 "smithy.api#documentation":
"<p>Describes an identity provider.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 }
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},

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```

 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status
of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
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 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
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 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
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 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",

"version": "2018-05-10",
"operations": [
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 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },

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 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 }
 }
}

```



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]
 },
 "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n a per user subscription fee on Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager User Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack
endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
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 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
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 "rules": [
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 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
]
}

```

```

]
 }
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"type": "tree",
"rules": [
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 "ref": "UseFIPS"
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 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
 },
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]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
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 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
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 "argv": [
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 "fn": "aws.partition",
 "argv": [
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 "ref": "Region"
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 "assign": "PartitionResult"
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 "type": "tree",
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 "argv": [
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 {
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 "argv": [
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 "ref": "UseDualStack"
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]
 }
]

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 "argv": [
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 "fn": "getAttr",
"argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
]
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 "argv": [
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 {
 "fn": "getAttr",
"argv": [
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 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
],
 },
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 "type": "tree",
 "rules": [
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 "conditions": [],
 "endpoint": {

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 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
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 "type": "endpoint"
}
]
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
]
},
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseFIPS"
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"rules": [
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 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
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]
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]
 }
]

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```

]
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fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
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 "type": "endpoint"
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 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
 },
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]
 }
],
 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsDualStack"
]
 }
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"type": "tree",
"rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does
not support DualStack",
 "type": "error"
}
],
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
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}
]
},

```

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 {
 "conditions":
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 {
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
 }
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"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
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 "documentation":
"\"For region us-east-1 with FIPS enabled and DualStack disabled\",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,

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 "UseDualStack": true
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},
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
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},
{
 "documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
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},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
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},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {

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 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
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 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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},
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
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 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
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 "UseFIPS": true,

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 "UseDualStack": false
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},
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 "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"

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 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
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 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {

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 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
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 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
}

```

```

 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
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 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
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 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}

```

```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },
 "smithy.api#paginated":
 {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse":
 {
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 }
]
 }
}

```



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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```

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 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse": {
 "type":
"structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name
of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",

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 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {

"smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 }
 },

 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [

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 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target":
"com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated":
{
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

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 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

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 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {

 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a product for a user.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",

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 "traits": {
 "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 }
]
}

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n subnets to provision VPC endpoints.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",

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 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17}))$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Settings": {
 "type": "structure",
 "members": {
 "Subnets": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation":
"<p>The subnets defined for the registered identity provider.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
]
 }
}

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 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity provider.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.\n For more information, see Viewing your\n monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StartProductSubscription"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 },

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 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 }
]
 },

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
},

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"com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation":
"<p>Metadata that describes the start product subscription operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/UpdateIdentityProviderSettings"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",

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 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n update any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
 \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
 \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 }
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n require connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for
activation servers.</p>"
 }
 }
 }
}

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```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration settings such as\n the subnets to provision VPC endpoints.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
 }
}
}
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
 }
}

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 }
]
},
"shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckInLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CreateGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
 },
 {
 "target": "com.amazonaws.licensemanager#CreateLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
 },
 {
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 "target": "com.amazonaws.licensemanager#GetServiceSettings"
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 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
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 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
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 "aws.protocols#awsJson1_1": {},
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 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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 "required": false,
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 "type": "String"
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 "required": true,

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support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
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 "required": true,
 "default": false,
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endpoint, dispatching the request will return an error.",
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 "argv": [
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 "fn": "getAttr",
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 "supportsDualStack"
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 "headers": {}
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 "conditions": [],
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 "type": "error"
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 "params": {
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 "UseDualStack": false
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 "UseDualStack": false
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 "params": {
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 "UseDualStack": false
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 "UseDualStack": false
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 "UseDualStack": false
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 "UseDualStack": true
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 "params": {
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 "UseDualStack": false
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},
"params": {
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 "UseDualStack": false
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 "UseDualStack": false
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 }
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disabled",
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 "UseDualStack": true
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 }
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 "UseFIPS": true,
 "UseDualStack": false
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 "error": "DualStack is enabled
but this partition does not support DualStack"
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 "params": {
 "Region": "us-iso-east-1",
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 "UseDualStack": true
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 "Region": "us-isob-east-1",
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 "UseDualStack": true
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",

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 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

"UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {

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 "error": "Invalid Configuration: Missing Region"
 }
 }
],
 "version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},
"traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {

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```

 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {}
 }
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {}
 }
 },

```

```

"code": "ServiceAccessDenied",
 "httpResponseCode": 401
},
"smithy.api#documentation": "<p>Access to resource denied.</p>",
"smithy.api#error": "client",
"smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
 },
 "ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 }
 },

```

```

 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
 },
 "com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7 }
 }
 },
 "com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_./-]{0,62}:[A-Za-

```

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z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:/+=, @.-]{0,1023}$"
 }
 },
 "com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
 },
 "com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
 },
 "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
 },
 "com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
 }

```



```

 },
 "com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
 },
 "com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {

```

```

 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicense":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#ValidationException"
 },
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384. For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {

```

```

 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed":
{
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 },
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 },
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 },
 },
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
 }
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 }
 "smithy.api#required": {}
},
"ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
},
"Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
},
"NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
},
"traits": {

"smithy.api#input": {}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {

```



```

 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 }
 }
 }
}

```

```

 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 36
 }
 }
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
},

```

```

"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
 },
 "com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href='\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {

```

```

"ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
},
"Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name (ARN):</p>

<p>An Amazon Web Services
account, which includes only the account specified.</p>

<p>An organizational unit (OU), which includes all accounts in the OU.</p>

<p>An organization, which will include all accounts across your organization.</p>

",
 "smithy.api#required": {}
 }
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
}

```

```

 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},

"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

```

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 }
 }
 },
 "smithy.api#required": {}
},
"GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
}

```

```

 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {

```



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 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
}
},
"traits":
{
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
}

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 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

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 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
 <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n
 <code>minimumCores</code>\n </p>\n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n
 <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
 <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n
 \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n
 <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n
 <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n
 <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n
 <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n

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<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>.</p>"

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 }
 },

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
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 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 }
 },
 "DestinationLicenseContext":
{
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href='\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
},
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
{
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be generated:</p>\n \n \n <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",

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 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 }
 }
}

```



```

 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Validity": {

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```

 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

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```

},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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```

 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {

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```

 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":
 }
},
"com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to\n call License Manager to manage the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",

```

```

 "smithy.api#required": {}
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token.\n License Manager does not check whether the roles are in use.</p>"
 }
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",

```



```

 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [

```

```

{
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the

```

```

grant.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":
{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

```

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 }
 }
 }

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },

```



```

"com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 }
 }
},
"com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 }
 }
},

```

```

 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 },
 "com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
 }
 },
 },

```

```

"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",

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```

 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },

```

```

"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},
"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {

```

```

 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "Kilobytes"
 }
},
"MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
},
"GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {

 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",

```



```

 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":
"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },

```

```

"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",

```

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 "smithy.api#required": {}
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
 },
 "com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 },
 "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 },

```

```

 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
 },
 "com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",

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"member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 }
 },

```

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 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {

```

```

"smithy.api#output": {}
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },

```

```

 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 }
}

```

```

 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>License configuration status.</p>"
 }

},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
},
"ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
},
"Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
},
"AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
}
},

```

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 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information on.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 }
 }
}

```

```

 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 }
]
}

```



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 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required":
{}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",

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```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

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 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

"target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettings": {

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 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 }
 }
}

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 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 }
 }
},
"LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
},
"traits": {
 "smithy.api#output": {}
},
"com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",

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 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {

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 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Describes a grant.</p>"
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
 },
 "com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 }
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 }
}

```

```

 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 }
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
}

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 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
 {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(?:(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|1-2)[0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
 }
 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n

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down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},

"com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 }
 }
}

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 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CONTAINS"
 }
 }
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
},
"com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {

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 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 }
}

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 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>License
creation time.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
 },

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"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
},
"ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
},
"AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "AVAILABLE"
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with the resource.</p>"
 }
 }
 },

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"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license configuration.</p>"
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {

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 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n conversion task.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 },
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 },
},
"traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
},
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\ct-[a-zA-Z0-9]*$"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
 "com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {

```



```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
 },
 "com.amazonaws.licensemanager#LicenseOperationFailure": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 }
 }
 },

```

```

 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 },
 "MetadataList": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
 },
 "com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"

```

```

 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
}
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
},
"com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 }
 },

```

```

 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {

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```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \nthe license rules).</p>"
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>LicenseArn</code>\n
 \n
 \n
 <p>\n
 <code>GrantStatus</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalARN</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>LicenseIssuerName</code>\n
 </p>\n
 \n
 "
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {

```



```

"target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":

```

```

{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are
 <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 },

```

```

 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {

```

```

 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },

```

```

"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {

```



```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },

```

```

"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"traits": {
 "smithy.api#output": {}
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {

```

```

 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 },

 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

"smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {

```

```

 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n"
 }
 }
 }
}

```

```

 \n \n <p>\n <code>ParentArn</code>\n </p>\n \n \n },\n "NextToken": {\n "target": "com.amazonaws.licensemanager#String",\n "traits": {\n "smithy.api#documentation": "<p>Token for the next set of results.</p>"\n }\n },\n "MaxResults": {\n "target": "com.amazonaws.licensemanager#MaxSize100",\n "traits": {\n "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"\n }\n },\n "traits": {\n "smithy.api#input": {}\n }\n},\n"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":\n{\n "type": "structure",\n "members": {\n "Grants": {\n "target": "com.amazonaws.licensemanager#GrantList",\n "traits": {\n "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"\n }\n },\n "NextToken": {\n "target": "com.amazonaws.licensemanager#String",\n "traits": {\n "smithy.api#documentation": "<p>Token for the next set of results.</p>"\n }\n }\n },\n "traits": {\n "smithy.api#output": {}\n }\n},\n"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {\n "type": "structure",\n "members": {\n "GrantArns": {\n "target": "com.amazonaws.licensemanager#ArnList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 }
}

```

```

 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "MaxResults": {

```

```

 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 \n
 \n
 "
 }
 }
}

```

```

<code>Beneficiary</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 }
 },

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 }
}

```

```

 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>"

```

- The ID of the Amazon Web Services account that owns the resource. \n

Logical operators are `EQUALS` | `NOT_EQUALS`.</p>\n

</li>\n <li>\n <p>\n <code>application\_name</code> - The name of the application. \n

Logical operators are `EQUALS` | `BEGINS_WITH`.</p>\n

</li>\n <li>\n <p>\n <code>license\_included</code> - The type of license included. \n

Logical operators are `EQUALS` | `NOT_EQUALS`. \n

Possible values are `sql-server-enterprise` | \n <code>sql-server-standard</code> | \n <code>sql-server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n

</li>\n <li>\n <p>\n <code>platform</code> - The platform of the resource. \n

Logical operators are `EQUALS` | `BEGINS_WITH`.</p>\n

</li>\n <li>\n <p>\n <code>resource\_id</code> - The ID of the resource. \n

Logical operators are `EQUALS` | `NOT_EQUALS`.</p>\n

</li>\n <li>\n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n

to the resource. Logical operators are `EQUALS` (single account) or \n <code>EQUALS</code> | <code>NOT\_EQUALS</code> (cross account).</p>\n

</li>\n </ul>"

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },

```

```

"output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },
 "errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
 }
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {

```



```

 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation":
"<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license consumption details by resource at a selected point in time. Use this action to audit the
current
license consumption for any license inventory and configuration.</p>"
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n
<code>resourceArn</code> - The ARN of the license configuration resource.\n
 Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n
 \n <p>\n <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>).\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },

```

```

"com.amazonaws.licensemanager#Location": {
 "type": "string"
},
"com.amazonaws.licensemanager#Long": {
 "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType":
{
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 }
},
"com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
},
"com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
},
"com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},

```

```

 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 }
 },
 "com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
 },
 "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",

```

```

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n <code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n \n \n <p>As a grantor, you can optionally specify an\n <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed grant doesn't specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one when you\n are activating the grant.</p>\n \n \n <dl>\n <dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n <dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a grant and disable other active grants in any\n member accounts for the same product. This action will also replace their\n previously activated grants with this activated grant.</p>\n </dd>\n </dl>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant, such as activation\n override behavior. For more information, see Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n


```

`Tag:key` - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`. The key for your tag must be appended to `Tag:` following the example: `Tag:name-of-your-key`. `ProductInformationFilterValue` is optional if you are not using values for the key.

`AccountId` - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`.

`License Included` - The type of license included. Logical operators are `EQUALS` and `NOT_EQUALS`. Possible values are: `sql-server-enterprise` | `sql-server-standard` | `sql-server-web` | `windows-server-datacenter`.

The following filters and logical operators are supported when the resource type is `RDS`:

- `Engine Edition` - The edition of the database engine. Logical operator is `EQUALS`. Possible values are: `oracle-ee` | `oracle-se` | `oracle-se1` | `oracle-se2`.
- `License Pack` - The license pack. Logical operator is `EQUALS`. Possible values are: `data guard` | `diagnostic pack sqlt` | `tuning pack sqlt` | `ols` | `olap`.

```

 "smithy.api#required": {}
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```



```

 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
}
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
},
"com.amazonaws.licensemanager#ProductInformationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 }
 },

```

```

 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 },
 "ReceivedStatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
 }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 }
 }
}

```

```

 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
 },
 "com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 }
 }
 },

```

```

 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",

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 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 }
 }
}

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 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
}
},
"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
},
"com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,

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or monthly.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
}
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {

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 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
},
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 },
 "com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {

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```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
},
"com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportType"
 }
},
"com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 }
 }
},

```

```

 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
 },
 "com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
 }

```

```

 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_INSTANCE"
 }
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#S3Location": {
 "type": "structure",

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```

"members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
},
"com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
},
"com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits":

```

```

{
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\s\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
 "type": "string"
},
"com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#Tag": {
 "type": "structure",
 "members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits":
{
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",

```

```

 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
 }
 }
}

```



```

 }
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a token.</p>"
 },
 "com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",

```

```

"members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\nconfiguration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

```

```

 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits": {
 {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {

```

```

 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a report generator, it starts generating new reports within 60 minutes of being updated.</p>"
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
 {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n
 \n
 \n
 <p>License configuration report - Reports the number and details of consumed licenses for a license
 configuration.</p>\n
 \n
 \n
 <p>Resource report - Reports the tracked licenses and
 resource consumption for a license configuration.</p>\n
 \n
 ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
 idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}

```

```

 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
 {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 }
 },

```



```

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 },
 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
 },
 "com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 }
}

```

## 1.93 [github.com/thanhpk/randstr](https://github.com/thanhpk/randstr) 1.0.6

### 1.93.1 Available under license :

The MIT License

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# 1.94 aws-aws-sdk-go-v2-internal-endpoints

## 2.6.9

### 1.94.1 Available under license :

name: License Scan

on: [pull\_request]

jobs:

licensescan:

name: License Scan

runs-on: ubuntu-latest

strategy:

matrix:

python-version: [3.9]

steps:

- name: Checkout target

uses: actions/checkout@v2

with:

path: sdkbase

ref: \${ github.base\_ref }

- name: Checkout this ref

uses: actions/checkout@v2

with:

path: new-ref

fetch-depth: 0

```

- name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
- name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
- name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${{ matrix.python-version }}
 uses: actions/setup-python@v2
 with:
 python-version: ${{ matrix.python-version }}
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity

```

ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
ListReceivedLicenses  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever

```

OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
},
"output": {

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetServiceSettings"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The settings include if\n Organizations integration has been enabled, and

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which Regions data will be aggregated from.</p>"

```
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays
the aggregated data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 }
 }
}
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 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery
updated the instance details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription being used by the instance.</p>"
 }
 }
 }

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 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 }
 }
}

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 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",

"x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 },
 "smithy.api#documentation": "<p>With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager Linux Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",

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 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

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 "type": "Boolean"
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 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
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"rules": [
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 "conditions": [
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 "fn": "isSet",
 "argv": [
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 "ref": "Endpoint"
 }
]
 }
]
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 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },

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 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
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]
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 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
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 "conditions": [],

 "endpoint": {
 "url": {
 "ref": "Endpoint"
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 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
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 "conditions": [],
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 "rules": [
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 "conditions": [
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 "fn": "isSet",

 "argv": [
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 "ref": "Region"
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 }
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"rules": [
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 "conditions": [
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 "argv": [
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 "ref": "Region"
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"assign": "PartitionResult"
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"type": "tree",
"rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseFIPS"
 },
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]
 },
],
 },

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 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
"type": "tree",
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
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 "fn": "booleanEquals",
 "argv": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
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 "type": "tree",
 "rules": [
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 "conditions": [],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 }
]
 }
]
}

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```

 "type": "endpoint"
 }
]
 }
]

},

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 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseFIPS"
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]
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 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
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]
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 "rules": [
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 "conditions": [],
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 "properties": {},
 "headers": {}

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 "type": "endpoint"
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 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
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 "argv": [
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 "ref": "UseDualStack"
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 "rules": [
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsDualStack"
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"rules": [
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 "conditions": [],
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 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
],
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{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
],
},
{
 "conditions": [],

```

```

 "type": "tree",
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url":
"https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 },
 {
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
 }
]
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"

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 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {

 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},

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{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {

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 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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},
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {

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 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{

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 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",

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```

 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {

 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",

 "UseFIPS": false,
 "UseDualStack": false
 }
 }
}

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 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,

"Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },

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```

 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
}

],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "OrganizationIntegration": {

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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation": "<p>Details if you have enabled resource discovery across your
accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {

"code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
 }
 }
}

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 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by
the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n
match, or don't match a certain Amazon Machine Image (AMI) ID.</p>\n <p>The valid names for this filter
are:</p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>The valid Operators for this
filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>NotEqual</code>\n </p>\n \n "
 }
 },
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation":
"<p>An array that contains instance objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {

```

```

 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Subscriptions"
 }

}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n
<code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't
match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The valid Operators for this filter are:</p>\n
 \n
 \n <p>\n <code>contains</code>\n </p>\n \n
\n <p>\n <code>>equals</code>\n </p>\n \n
\n <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
 },
}

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
 "type": "string",
 "traits": {

```



```

 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
},

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits":
{
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },

```

```

 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux
subscription.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
]
 }
 }
}

```

```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target": "smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },

 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation":
 "<p>A message which details the Linux subscriptions service settings current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
}

```

```

 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

```

```

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err !=
 nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {

```

```

return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}

```



```

 }
 return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

```

```
// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
//
This member is required.
ClientToken *string

// Configuration for consumption of the license. Choose a provisional
// configuration for workloads running with continuous connectivity. Choose a
// borrow configuration for workloads with offline usage.
//
// This member is required.
ConsumptionConfiguration *types.ConsumptionConfiguration

// License entitlements.
//
// This member is required.
Entitlements []types.Entitlement

// Home Region for the license.
//
// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
```

Validity \*types.DatetimeRange

// Information about  
the license.  
LicenseMetadata []types.Metadata

noSmithyDocumentSerde  
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.  
LicenseArn \*string

// License status.  
Status types.LicenseStatus

// License version.  
Version \*string

// Metadata pertaining to the operation's result.  
ResultMetadata middleware.Metadata

noSmithyDocumentSerde  
}

```
func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}
```

```
if
err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
```

```

}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
}

```

```

if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }
}

```

```

out := result.(*ListReceivedLicensesOutput)
out.ResultMetadata = metadata
return out, nil
}

```

```

type ListReceivedLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Status

```

```

 //

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - IssuerName

```

```

 //

```

```

 // - Beneficiary

```

```

 Filters []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListReceivedLicensesOutput struct {

```

```

 // Received license details.

```

```

 Licenses []types.GrantedLicense

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 // Metadata pertaining to the operation's result.

```

```

 ResultMetadata middleware.Metadata

```

```

 noSmithyDocumentSerde

```

```

}

```

```

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err

```

```

error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {
 return err
 }
 if err

```

```

= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return
 &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
 }
}
CheckoutLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger

```



OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
DisassociateLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step

ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody

```
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AssociateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.
```

```
package grafana
```

```
import (
```

```

"context"
"fmt"
awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
"github.com/aws/aws-sdk-go-v2/service/grafana/types"
"github.com/aws/smithy-go/middleware"
smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

```

```

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}

```

```

}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 {
 return err
 }
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{

```

```

 Region: region,
 ServiceID:
 ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licenssemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licenssemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].

```

```

//
// [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
//
// This member is required.
DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.
//
// This member is required.
Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow
// consumption configuration.
//
// This member is required.
LicenseArn *string

// Information about constraints.
CheckoutMetadata []types.Metadata

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.

```



```

NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 }
 err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {

```

```

return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}
return nil
}

```

```
func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata
{
return &awsmiddleware.RegisterServiceMetadata{
Region: region,
ServiceID: ServiceID,
OperationName: "CheckoutBorrowLicense",
}
}
```

ListLicenses

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

AWS SDK for Go

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DeleteLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
GetLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID

```

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```

package licensemanager

```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
}

```

```

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
 }

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
}

```

```

}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
}

```

```

if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }
}

```



```

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

type ListLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - Beneficiary

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - Status

```

```

 Filters

```

```

 []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListLicensesOutput struct {

```

```

 // License details.

```

```

 Licenses []types.License

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 // Metadata pertaining to the operation's result.

```

```

 ResultMetadata middleware.Metadata

```

```

 noSmithyDocumentSerde

```

```

}

```

```

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {

```

```

 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {

```

```

 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
}

```

```

if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}

```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
```

```

 return nil, err
}

out := result.(*AssociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {

```

```

if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```

```

 }
 if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
 }
 if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
 }
 if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
 }
 if err = addOpAssociateLicenseValidationMiddleware(stack);
 err != nil {
 return err
 }
 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
 middleware.Before); err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 return nil
}

```

```

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```

package licenssemanager

```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

```



```
noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}
```

```
if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
}
```

```

if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}

```

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

// Checks out the specified license.

//

// If the account that created the license is the same that is performing the

// check out, you must specify the account as the beneficiary.

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

type CheckoutLicenseInput struct {

//

Checkout type.

//

// This member is required.

CheckoutType types.CheckoutType

// Unique, case-sensitive identifier that you provide to ensure the idempotency of  
// the request.

//

// This member is required.

ClientToken \*string

```

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

```

```

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {

```

```

 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{

```

```
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
}
}
```

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CheckInLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

Retry

RetryMetricsHeader

```

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Details about an Active Directory identity provider.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {

```

```

 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related
costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing
status) in Amazon Web Services Billing. For more information, see Viewing your\n
monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/AssociateUser"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the
EC2 instance, which provides user-based subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licenseanagerusersubscriptions#ConflictException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {

```

```

 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n resource.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
},

```

```

"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 }
]
 }
}

```



```

 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {

```

```

 "smithy.api#documentation":
"<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
},
"Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},

"com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 },
 "Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
 }
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Filter"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Details about an identity provider.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints.</p>",
 "smithy.api#required":
 }
 }
 },
 "Product": {
 "target": "smithy.api#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status
of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits":
 {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",

```

```

 "smithy.api#required": {}
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
}
},

```

```

"com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",

"version": "2018-05-10",
"operations": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations"
 }
],
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider"
 },
},

```

```

 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 }
],
 "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager User Subscriptions",
 "smithy.rules#endpointRuleSet": {

```



```

"version": "1.0",
"parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack
endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
},
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [

```

```

 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 },
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [

```

```

{
 "ref": "Region"
}
]
}
],
"type": "tree",
"rules": [
{
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "type": "tree",
}
],
"rules": [
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
],
 "type": "tree",
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
],
 "type": "tree",
 }
],
 "rules": [

```

```

{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
],
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
],
 },
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
}

```

```

]
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
]
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "type": "tree",

 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],

```

```

 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
},
{
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
}
]
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 }
]
}

```

```

]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does
not support DualStack",
 "type": "error"
 }
]
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]
},
{
 "conditions":
[],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},

```

```

"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation":
"\"For region us-east-1 with FIPS enabled and DualStack disabled\",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 }
 }
]
}

```



```

 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
}

```

```

 }
 },
 {
 "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {

```

```

 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
}

```

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 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.gov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 }
}

```

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 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },
 "smithy.api#paginated":
 {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse":
{
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 }
]
}

```



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 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 }
 }
}

```

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 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse": {
 "type":
"structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 }
]
}

```

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 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name
of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {

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"smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify.</p>"

```
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions operation.</p>"
 }
 }
 },
```

```
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target":
```

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"com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated":
{
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {

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 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
},
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a product for a user.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {

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 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {

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 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n subnets to provision VPC endpoints.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},

```

```

"com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
},
"com.amazonaws.licenseanagerusersubscriptions#SecurityGroup": {
 "type": "string",

"traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17})$"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Settings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation":
"<p>The subnets defined for the registered identity provider.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#StartProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity
provider.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related costs
will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status)
in Amazon Web Services Billing.
For more information, see Viewing your\n monthly
charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StartProductSubscription"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 }
 },
},

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```

"com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",

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```

 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
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 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation":

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```

"<p>Metadata that describes the start product subscription operation.</p>",
 "smithy.api#required": {}
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}
},
"com.amazonaws.licensemanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
 }
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"com.amazonaws.licensemanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnet"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the
request.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
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 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered
identity\n provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/UpdateIdentityProviderSettings"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "UpdateSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n update any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
\n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
\n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 }
 }
}

```



```

 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n require connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for
activation servers.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n the subnets to provision VPC endpoints.</p>"
 }
},

```

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"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
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 "smithy": "2.0",
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 "suppressions": [
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 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
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 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
 },
 "shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",

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"operations": [
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 "target": "com.amazonaws.licensemanager#AcceptGrant"
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 "target": "com.amazonaws.licensemanager#CheckInLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
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 "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},
{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{

```

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 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
 },
 {
 "target": "com.amazonaws.licensemanager#DeleteToken"
 },
 {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
 },
},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
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 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
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 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
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 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
},

```

```

{
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
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 "target": "com.amazonaws.licensemanager#ListLicenses"
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 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
},
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 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
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 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
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 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
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 "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
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 "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
 "target": "com.amazonaws.licensemanager#ListTokens"
},
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 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
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 "target": "com.amazonaws.licensemanager#RejectGrant"
},
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 "target": "com.amazonaws.licensemanager#TagResource"
},
{
 "target": "com.amazonaws.licensemanager#UntagResource"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",

```

```
 "required": true,
 "default": false,
 "documentation": "When true, send
this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
```

```
 "type": "Boolean"
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 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
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"rules": [
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 "conditions": [
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 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
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"type": "tree",
"rules": [
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 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 },
 {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
```

```

 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
 },
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]
 },
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
},
{
 "conditions": [
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 "fn": "isSet",
 "argv": [
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 "ref": "Region"
 }
]
 }
]
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"type": "tree",
"rules": [
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 "conditions": [
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 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
]
 },
 "assign": "PartitionResult"
]
 }
]

```



```

 }
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 "type": "tree",
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 "fn": "booleanEquals",
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 "ref":
"UseFIPS"

 },
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]
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
 },
 true
]
 }
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 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
]
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]
 }
]
 },
 {
 "fn": "booleanEquals",

```

```

 "argv": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
],
 }
],
 "supportsDualStack"
],
 "type": "tree",
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
],
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
],
 true
 }
]
 }

```

```

]
 }
],
"type": "tree",
"rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
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]
 },
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 "type": "tree",
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "error": "FIPS is enabled but this
partition does not support FIPS",
 "type": "error"
 }
],
{
 "conditions": [

```

```

 {
 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
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],
 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 },
],
 }
],
 "supportsDualStack"
 }
],
 "type": "tree",
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 {
 "conditions": [],

```

```

 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
}
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 },
]
}

```

```

 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
},
{
 "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",

```

```

 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
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 "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-1.amazonaws.com"
 }
 }
 },
 {
 "params": {
 "Region": "ap-southeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-3",

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```

 "UseFIPS": false,
 "UseDualStack": false
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},
{
 "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ca-central-1.amazonaws.com"
 }
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 "params": {
 "Region": "ca-central-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-central-1.amazonaws.com"
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 "params": {
 "Region": "eu-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-north-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
 "expect": {

```



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 "endpoint": {
 "url": "https://license-manager.eu-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region":
"eu-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
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{
 "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-3",
 "UseFIPS": false,

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 "UseDualStack": false
 },
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 "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.me-south-1.amazonaws.com"
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 "params": {
 "Region": "me-south-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.sa-east-1.amazonaws.com"
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 "params": {
 "Region": "sa-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {

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```

 "url": "https://license-manager-fips.us-east-1.amazonaws.com"
 },
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
}

```

```

 }
 },
 {
 "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-1.amazonaws.com"
 }
 },
 "params": {

"Region": "us-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",

"expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.api.aws"

```

```

 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
}

```

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 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.amazonaws.com"
 }
 }
 }

```

```

 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation":
 "For region us-gov-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {

```

```

 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,

```



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 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {

```

```

 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

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 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

"UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
}
},

```

```

"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 }
},

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```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {}
 }
 },
 "code": "ServiceAccessDenied",
 "httpResponseCode": 401,
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
}

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```

},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
 },
 "ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE":

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{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
},
"LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
},
"CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
}
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62};[A-Za-
z0-9_/.-]{0,63};[A-Za-z0-9_/.-]{0,63};[A-Za-z0-9][A-Za-z0-9:/+=,@.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
}

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```

 }
 },
 "com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
 "com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
 },
 "com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
 },
 "com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

```



```

 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
},
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
},
"com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },

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 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":

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{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
 }
},

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```

"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members": {
 {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",

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 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":

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"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "smithy.api#required": {}
}
},

```

```

 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 }
 }
 },

```



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 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 },
 "com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 36
 }
 }
 },
 "com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",

```

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 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
},

"traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},

```

```

"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",

```

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 "smithy.api#required": {}
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p>\n \n \n <p>An Amazon Web Services account, which includes only the account specified.</p>\n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n \n <p>An organization, which will include all accounts across your organization.</p>\n \n \n \n \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantVersion": {
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
 }
 }
}

```

```

 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 }
 }
 },
 "smithy.api#required": {}
},
"GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
}

```

```

 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",

```



```

 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 },
 "traits":
{
 "smithy.api#output": {}
},
"com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a\n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 }
 }
}

```

```

 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
 "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n \n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code>\n </p>\n \n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>.</p>"
 }
 },
},

```

```

"Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [

```

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 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",

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 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href='\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

"traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be generated:</p>\n \n \n <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 }
},
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator tracks.</p>",
 "smithy.api#required": {}
 }
 }
}

```

```

 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```



```

 }
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {

```

```

 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 }
}

```

```

 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":
{}
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 }
 }
}

```

```

 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
 },
 "com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n License Manager does not check whether the roles are in use.</p>"
 }
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n to the amr claim of the JWT token.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 }
 },
 "Token": {

```



```

 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {

```

```

 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
},

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {

```

```

 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
 }
 }
}

```

```

 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required":
 }
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
 "com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {

```

```

 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
}

```



```

 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},

```

```

"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",

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```

 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 }
},

```

```

"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},

```

```

 "MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
 },
 "GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
 },
 "TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
 },
 "com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
 },
 "com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
 "com.amazonaws.licensemanager#EntitlementUnit": {

```

```

"type": "enum",
"members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "Megabytes"
 }
},
"GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
},
"PERCENT": {
 "target": "smithy.api#Unit",

```



```

 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":
"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },
 "KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
 },

```

```

"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
},
"Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 }
},
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},
"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
 },
 "com.amazonaws.licensemanager#FilterName": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
 },
 "com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 }
 }
 }

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {

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```

 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 },
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "traits":
 {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
},
"Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
},
"LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
},
"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
},
"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
}
},
"OwnerAccountId": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {

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```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {

```

```

"LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
},
"ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
},
"SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
},
"DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
},
"StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
},
"StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
},
"LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

```



```

 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required":
 {}
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},

"com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

"target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {

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```

 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
 }
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {

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```

 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 },
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 }
 },
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 },

```

```

"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
},
"GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
},
"StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
},
"GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
}

```

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 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Describes a grant.</p>"
 }
},
"com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
},
"com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 }
 }
},
"ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
},
"FAILED_WORKFLOW": {

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 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 }
}

```



```

 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
},
"ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
}
},
"com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
},
"com.amazonaws.licensemanager#ISO8601DateTime":

```

```

{
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(~{?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|1-2)[0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
 }
},
"com.amazonaws.licensemanager#Integer": {
 "type": "integer"
},
"com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n down.</p>",
 "smithy.api#error": "client",

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 "smithy.api#httpError": 400
 }
},

"com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
 }
},

"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 }
 },
},

```

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 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CONTAINS"
 }
 }
 },
 "com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
 },
 "com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 },
 "com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Product SKU.</p>"
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

"smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },

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```

"LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
},
"CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>License
creation time.</p>"
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
},
"LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
},
"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
},
"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 }
 }
 }
}

```

```

 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
 {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 }
 }
 }

```

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 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

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 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license configuration.</p>"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you are converting your resource from. For more information about which platforms correspond to which usage operation values see Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 }
 }
}

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 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n conversion task.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 }
 }

```

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 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\ct-[a-zA-Z0-9]*$"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":

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{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

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 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

"smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 },
 "MetadataList": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
 },
 "com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 }
 }
 },

```

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 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
 },
 "com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "PENDING_DELETE"
 }
},
"DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
}
},
"com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 }
}

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 },
 "output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 }
 }
}

```

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 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license configuration.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
}

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 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

 "traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",

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 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license configurations.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are\n <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical\n operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license\n enforcement is used. \n Logical operators are <code>EQUALS</code> |

 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that\n indicates whether the available licenses have been exceeded. \n Logical operators are\n <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {

```

```

"LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
},
"NextToken": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {

```

```

"type": "structure",
"members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},

```

```

"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n

```

```

 </p>\n \n "
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },

```

```

"output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },

```

```

 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
 }

```

```

 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are

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```

supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n \n }\n },\n "NextToken": {\n "target": "com.amazonaws.licensemanager#String",\n "traits": {\n "smithy.api#documentation": "<p>Token for the next set of results.</p>"\n }\n },\n "MaxResults": {\n "target": "com.amazonaws.licensemanager#MaxSize100",\n "traits": {\n "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"\n }\n }\n },\n "traits": {\n "smithy.api#input": {}\n }\n },\n "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {\n "type": "structure",\n "members": {\n "Grants": {\n "target": "com.amazonaws.licensemanager#GrantList",\n "traits": {\n "smithy.api#documentation": "<p>Received grant details.</p>"\n }\n },\n "NextToken": {\n "target": "com.amazonaws.licensemanager#String",\n "traits": {\n "smithy.api#documentation": "<p>Token for the next set of results.</p>"\n }\n }\n },\n "traits": {\n "smithy.api#output": {}\n }\n },\n "com.amazonaws.licensemanager#ListReceivedLicenses": {\n "type": "operation",\n "input": {\n

```



```

 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "traits": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```

```

 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 }
 },

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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```

{
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
},
{
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n
 Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n "
 }
 }
}

```

```

 <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
 <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <code>resource_id</code> - The ID of the resource. \n Logical operators are
 <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
 operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
 <code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
}
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {

```

```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },
 "errors":
 [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
 }
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
 \n
 \n
 <p>\n
 <code>LicenseArns</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {

```



```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation":
"<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {

```

```

 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
}
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "Filters": {

```

```

 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n<code>resourceArn</code> - The ARN of the license configuration resource.\n
 Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

"LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#Location": {
 "type": "string"
},
"com.amazonaws.licensemanager#Long": {
 "type": "long"
},
"com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",

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 "members": {
 "ResourceType":
 {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {

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 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 },
 },

 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 }
 },
 "com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
 },
 "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",

```

```

 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n
 \n \n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n \n \n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see Granted licenses in
License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
"<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
},
},
"com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
}

```

```

 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:

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<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n
<p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
 <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
 \n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
},

```



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"com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
},
"com.amazonaws.licensemanager#ProductInformationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {

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 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 },
 "ReceivedStatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
 },
 "com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
}

```

```

 },
 "com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 },

```

```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#RenewType": {
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {

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 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 },
 "com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequencyType": {

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 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
 },
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
 }
}

```



```

 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
"com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 }
 }
},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
}

```

```

 }
 }
},
"com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportType"
 }
},
"com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
}
},
"com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}

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},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_INSTANCE"
 }
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
}
},
"com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
},
"com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits":
{
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
 "type": "string"
},

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"com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#Tag": {
 "type": "structure",
 "members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
 },
 "com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [

```

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 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits":
{
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},

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```

 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",

```



```

 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
 },
 "traits": {

 "smithy.api#documentation": "<p>Describes a token.</p>"
 },
 "com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request

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again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
 }
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",

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 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
}

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```

 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\nconfiguration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name of the license configuration.</p>"
 }
 },
 "Description": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

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 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
 },
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n <p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n <p>Resource report - Reports the tracked licenses and

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resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
},
"ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 }
},
"ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits":
{
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
}
},
"ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
},
"Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",

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"input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```



```

 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 },
 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 },
 },
 "com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {

```

```

 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
 },
 "com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 }
}

```

# 1.95 [github.com/redis/go-redis/v9](https://github.com/redis/go-redis/v9) 9.5.3

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# 1.96 golang-org-x-exp 0.0.0-20240604190554-fc45aab8b7f8

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# 1.97 gomemcache 0.0.0-20230905024940-24af94b03874

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# 1.98 go-redsync-redsync 4.13.0

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## 1.99 aws-aws-sdk-go-v2-service-internal-endpoint-discovery 1.9.10

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name: License Scan

on: [pull\_request]

jobs:

licensescan:

name: License Scan

runs-on: ubuntu-latest

strategy:

matrix:

python-version: [3.9]

```

steps:
- name: Checkout target
 uses: actions/checkout@v2
 with:
 path: sdkbase
 ref: ${ github.base_ref }
- name: Checkout this ref
 uses: actions/checkout@v2
 with:
 path: new-ref
 fetch-depth: 0
- name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${ github.event.pull_request.base.sha }
 ${ github.sha } > refDiffFiles.txt
- name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
- name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${ matrix.python-version }
 uses: actions/setup-python@v2
 with:
 python-version: ${ matrix.python-version }
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
 toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
 toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
 are the same. Success."; exit 0; fi
CreateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step

```

setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
ListReceivedLicenses  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2



disableHTTPS  
 ComputePayloadHash  
 Retry  
 RetryMetricsHeader  
 setLegacyContextSigningOptions  
 Signing  
 Deserialize stack step  
 AddRawResponseToMetadata  
 ErrorCloseResponseBody  
 CloseResponseBody  
 ResponseErrorWrapper  
 RequestIDRetriever  
 OperationDeserializer  
 AddTimeOffsetMiddleware  
 RecordResponseTiming  
 RequestResponseLogger  
 {  
   "smithy": "2.0",  
   "shapes": {  
     "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {  
       "type": "integer"  
     },  
     "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {  
       "type": "long"  
     },  
     "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {  
       "type": "structure",  
       "members": {  
         "Name": {  
           "target": "smithy.api#String",  
           "traits": {  
             "smithy.api#documentation": "<p>The type of name to filter by.</p>"  
           }  
         },  
         "Values": {  
           "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",  
           "traits": {  
             "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"  
           }  
         },  
         "Operator": {  
           "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",  
           "traits": {  
             "smithy.api#documentation": "<p>An operator for filtering results.</p>"  
           }  
         }  
       }  
     },  
     "traits": {

"smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"

```
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetServiceSettings"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
```

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"LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
},
"LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n Organizations integration has been enabled, and
which Regions data will be aggregated from.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
},
"StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
},
"HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays
the aggregated data for Linux\n subscriptions.</p>"
 }
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
},
"AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
},
"Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
},
"Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
},
"UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
},
"ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
},
"LastUpdatedTime": {
 "target": "smithy.api#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery
updated the instance details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription being used by the instance.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],

 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",

 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 },
 "smithy.api#documentation": "<p>With License Manager, you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager Linux Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,

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 "documentation": "The
AWS region used to dispatch the request.",
 "type": "String"
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 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
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"rules": [
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 "conditions": [
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 "fn": "isSet",
 "argv": [
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 "ref": "Endpoint"
 }
]
 }
]
 }
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"type": "tree",
"rules": [
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 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [

```

```

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 "ref": "UseFIPS"
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"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
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 "rules": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
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 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
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 "conditions": [],

"endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
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{
 "conditions": [],

```



```

 "type": "tree",
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 "fn": "isSet",

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 "ref": "Region"
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 "fn": "aws.partition",
 "argv": [
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 "ref": "Region"
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"assign": "PartitionResult"
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 "type": "tree",
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 "argv": [
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 },
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 "argv": [
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 "ref": "UseDualStack"
 }
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]
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]
 }
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
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]
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 "argv": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
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 }
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 "rules": [
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 "conditions": [],
 "type": "tree",

```

```

 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
 }
],
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 "ref": "UseFIPS"
],
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],
 "type": "tree",
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 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,

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```

{
 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
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 "rules": [
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 "conditions": [],
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 "rules": [
 {
 "conditions": [],
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 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 },
 {
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
 }
]
},

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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
 {

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 "ref": "UseDualStack"
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 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
],
},

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{
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 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
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 "type": "tree",
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url":
"https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
}
]
}
]
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",

```

```

 "UseFIPS": true,
 "UseDualStack": true
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},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {

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 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
}

```



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 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"

```

```

 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {

 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {

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```

 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",

"UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

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```

 "UseDualStack": false,

 "Endpoint": "https://example.com"
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
},
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",

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```

"members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation": "<p>Details if you have enabled resource discovery across your
accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with
commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {

```

```

"code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
},
"smithy.api#idempotent": {},
"smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by
the name of\n <code>AmiID</code> with an optional operator to see subscriptions that match, partially\n
match, or don't match a certain Amazon Machine Image (AMI) ID.</p>\n <p>The valid names for this filter
are:</p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>The valid Operators for this
filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>NotEqual</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {

```

```

 "min": 1,
 "max": 16384
 }
}
},
"traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation":
"<p>An array that contains instance objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
]
},

```



```

 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have
linked your\n organization, the returned results will include data aggregated across your accounts in\n
Organizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Subscriptions"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n
<code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't
match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The valid Operators for this filter are:</p>\n
 \n
 \n <p>\n <code>contains</code>\n </p>\n \n
 \n <p>\n <code>equals</code>\n </p>\n \n
 \n <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {

```

```

 "min": 1,
 "max": 16384
 }
}
},
"traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
]
 }
}

```

```

 },
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",

```

```

 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits":
{
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 }
 }
}

```

```

 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 }
 },

```

```

"output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target": "smithy.api#Boolean",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
 }
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation":
 "<p>A message which details the Linux subscriptions service settings current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 }
},

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
}
}
}

```

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

// Deletes the specified license.

```

func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

```

```

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

```

```

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```
type DeleteLicenseInput struct {
```

// Amazon Resource Name (ARN) of the license.



```

//
// This member is required.
LicenseArn *string

// Current version of the license.
//
// This member is required.
SourceVersion
*string

noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

// Date when the license is deleted.
DeletionDate *string

// License status.
Status types.LicenseDeletionStatus

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err !=
nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {

```

```

 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}

```

```

}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
}

```

```
out := result.(*CreateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}
```

```
type CreateLicenseInput struct {
```

```
// License beneficiary.
```

```
//
```

```
// This member is required.
```

```
Beneficiary *string
```

```
// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
```

```
//
```

```
//
```

```
This member is required.
```

```
ClientToken *string
```

```
// Configuration for consumption of the license. Choose a provisional
```

```
// configuration for workloads running with continuous connectivity. Choose a
```

```
// borrow configuration for workloads with offline usage.
```

```
//
```

```
// This member is required.
```

```
ConsumptionConfiguration *types.ConsumptionConfiguration
```

```
// License entitlements.
```

```
//
```

```
// This member is required.
```

```
Entitlements []types.Entitlement
```

```
// Home Region for the license.
```

```
//
```

```
// This member is required.
```

```
HomeRegion *string
```

```
// License issuer.
```

```
//
```

```
// This member is required.
```

```
Issuer *types.Issuer
```

```
// License name.
```

```
//
```

```
// This member is required.
```

```
LicenseName *string
```

```
// Product name.
```

```

//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {

```

```

return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {

```

```

 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.

```

```

func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - ProductSKU
 //
 // - Status
 //
 //
 // - Fingerprint
 //
 // - IssuerName
 //
 // - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

 // Received license details.

```



Licenses []types.GrantedLicense

// Token for the next set of results.

NextToken \*string

// Metadata pertaining to the operation's result.

ResultMetadata middleware.Metadata

noSmithyDocumentSerde

}

func (c \*Client) addOperationListReceivedLicensesMiddlewares(stack \*middleware.Stack, options Options) (err error) {

if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {  
return err

}

err = stack.Serialize.Add(&awsAwsjson11\_serializeOpListReceivedLicenses{}, middleware.After)

if err != nil {

return err

}

err = stack.Deserialize.Add(&awsAwsjson11\_deserializeOpListReceivedLicenses{},  
middleware.After)

if err != nil {

return err

}

if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {

return fmt.Errorf("add protocol finalizers: %v", err)

}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {

return err

}

if err = addSetLoggerMiddleware(stack, options); err != nil {

return err

}

if err = addClientRequestID(stack); err != nil {

return err

}

if err = addComputeContentLength(stack); err != nil {

return err

}

if err = addResolveEndpointMiddleware(stack, options); err != nil {

return err

}

if err = addComputePayloadSHA256(stack); err != nil {

return err

}

if err = addRetry(stack, options); err != nil {

```

 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {

```

```
return
&awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
```

CheckoutLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

DisassociateLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step

ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody

```

CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //

```

```

// This member is required.
WorkspaceId *string

noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

// A structure containing information about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{ }, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{ }, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{ }, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}

```

```

}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
}

```



```

if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID:
 ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

```

```

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.

```

```

Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 }
 err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {

```

```

return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return
err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}

```

```

}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
 }
}
ListLicenses
Initialize stack step
 RegisterServiceMetadata
 legacyEndpointContextSetter
 SetLogger
Serialize stack step
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step

```

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

AWS SDK for Go

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DeleteLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

```

GetLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
 }

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)

```



```

if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {

```

```

 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //
 // - ProductSKU
 //
 // - Fingerprint
 //
 // - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

 // Token for the next set of results.
 NextToken *string

 noSmithyDocumentSerde
}

type ListLicensesOutput struct {

 // License details.
 Licenses []types.License

```

```

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
}

```

```

if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 }
}

```

```
 OperationName: "ListLicenses",
 }
}
```

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// Code generated by smithy-go-codegen DO NOT EDIT.

```
package grafana
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
```

```
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {
```

```

// A structure containing data about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }

```



```

}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

```

```
noSmithyDocumentSerde
}
```

```
type
```

```
GetLicenseOutput struct {
```

```
// License details.
```

```
License *types.License
```

```
// Metadata pertaining to the operation's result.
```

```
ResultMetadata middleware.Metadata
```

```
noSmithyDocumentSerde
```

```
}
```

```
func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
```

```
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
```

```
 return err
```

```
}
```

```
err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
```

```
if err != nil {
```

```
 return err
```

```
}
```

```
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
```

```
if err != nil {
```

```
 return err
```

```
}
```

```
if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
```

```
 return fmt.Errorf("add protocol finalizers: %v", err)
```

```
}
```

```
if err = addLegacyEndpointContextSetter(stack, options); err != nil {
```

```
 return err
```

```
}
```

```
if err = addSetLoggerMiddleware(stack, options); err != nil {
```

```
 return err
```

```
}
```

```
if err = addClientRequestID(stack); err
```

```
!= nil {
```

```
 return err
```

```
}
```

```
if err = addComputeContentLength(stack); err != nil {
```

```
 return err
```

```
}
```

```
if err = addResolveEndpointMiddleware(stack, options); err != nil {
```

```
 return err
```

```
}
```

```

if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}

```

```

 }
 return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutLicenseInput struct {

//

```

```

Checkout type.
//
// This member is required.
CheckoutType types.CheckoutType

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
// This member is required.
ClientToken *string

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

```

```

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }

```

```

}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
}

```



```

if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
}
}

```

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CheckInLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

```

UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 }
 }
 }
 },

```

```

 "traits": {
 "smithy.api#documentation":
 "<p>Details about an Active Directory identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related
costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing
status) in Amazon Web Services Billing. For more information, see Viewing your\n
monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/AssociateUser"
 },
 },
 },
 },
}

```

```

 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the
EC2 instance, which provides user-based subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
},

```



```

"com.amazonaws.licensemanagerusersubscriptions#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanagerusersubscriptions#ConflictException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n resource.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],

```

```

 "traits": {
 "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation":
 "<p>Metadata that describes the results of an identity provider operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },

```

```

"output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
},
"errors": [
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 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 }
 },

```

```

 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation":
"<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 }
 },
 "Operation": {
 "target": "smithy.api#String",

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 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Filter"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#documentation":
"<p>Details about an identity provider.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 }
},

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 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints.</p>",
 "smithy.api#required":
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based

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subscriptions.</p>",
 "smithy.api#required": {}
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status
of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",

```



```

 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InternalServerException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 },
 "com.amazonaws.licenseanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",
 },
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstances"
 }
]
}

```

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 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 }
],
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
]
 },

```

```

 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n a per user subscription fee on Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack
endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 }
},
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",

```

```

 "argv": [
 {
 "ref": "Endpoint"
 }
]
 },
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {}
 }
 }
]

```

```

 "headers": {}
 },
 "type": "endpoint"
}
]
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [

{
 "ref": "Region"
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
]
 },
 "assign": "PartitionResult"
]
 },
 "type": "tree",

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 },
],
 {
 "fn": "booleanEquals",

```

```

 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 },
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
],
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
],
 "type": "tree",
 "rules": [

```

```

 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
]
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "type": "tree",
}

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
],
 }
]
 }
]
 }
]

```

```

 "supportsFIPS"

]
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 },
 {
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
 }
],
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [

```



```

 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does
not support DualStack",
 "type": "error"
 }
],
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]

```

```

 }
]
},
{
 "conditions":
[],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation":
"For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 },
]
}

```

```

"params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },

```

```

 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect":

```

```

{
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
},
"params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
}
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},

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{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},

{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,

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 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
}
}

```



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],
 "version": "1.0"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },
 "smithy.api#paginated":
 {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",

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 "items": "IdentityProviderSummaries"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse":
{
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },

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"errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {

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 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse": {
 "type":
"structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 }
]
}

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 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name
of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

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 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {

"smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 }
 },

 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target":
"com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated":
{
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {

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 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```



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 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {

 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a product for a user.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
}

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 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 }
]
 }
 }
}

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
settings such as the\n subnets to provision VPC endpoints.</p>"
 }
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {

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 "IdentityProviderSummary":
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup": {
 "type": "string",

"traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17})$"
}
},
 "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Settings": {

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 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation":
 "<p>The subnets defined for the registered identity provider.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity provider.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your\n monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StartProductSubscription"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",

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 "smithy.api#required": {}
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
}

```



```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation":
 "<p>Metadata that describes the start product subscription operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
 },

```

```

"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered identity\n provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/UpdateIdentityProviderSettings"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n update any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
 \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
 \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n require connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID

```

that allows inbound TCP port 1688 communication between resources in your VPC and the VPC endpoints for activation servers.

```
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration settings such as the subnets to provision VPC endpoints.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
 }
}
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
],
 },
}
```

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 {
 "id": "Service",
 "namespace": "*"
 }
]
},
"shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },

{
 "target": "com.amazonaws.licensemanager#CheckInLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},

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```

{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenses"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
 },
 {
 "target": "com.amazonaws.licensemanager#ListResourceInventory"
 },
 {
 "target": "com.amazonaws.licensemanager#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#ListTokens"
 },
 {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
 {

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 "target": "com.amazonaws.licensemanager#RejectGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 }
 }
 },

```



```

 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send
this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 }
]
}

```

```

]
 }
},
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
},
{
"conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
},
"type": "tree",
"rules": [

```

"UseFIPS"

```
{
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "

 },
 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
```

```

 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
}
]
},
{
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 }
],
 "supportsDualStack"
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
]
},

```

```

{
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,

{
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
 "type": "tree",
 "rules": [

{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
},

```

```

 {
 "conditions": [],
 "error": "FIPS is enabled but this
partition does not support FIPS",
 "type": "error"
 }
],
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",

```

```

 "properties": {},
 "headers": {}

 },
 {
 "type": "endpoint"
 }
]
},
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
]
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,

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 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-3.amazonaws.com"
 }
 }
}

```



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 },
 "params": {
 "Region": "ap-northeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-1.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "ap-southeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ca-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ca-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-north-1.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "eu-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region":
"eu-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.me-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "me-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.sa-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "sa-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.amazonaws.com"
 }
 },
 "params": {

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```

 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region

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us-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-2.amazonaws.com"
 }
 },
 "params": {

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 "Region": "us-west-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",

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```

 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,

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 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation":
 "For region us-gov-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {

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 "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
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 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
}

```

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 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,

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```

 "UseDualStack": false
 }
},

{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },

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```

 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

"UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {

```

```

 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 },
 "version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},
"traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {

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 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
 },

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```

 "traits": {
 "aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
 "httpResponseCode": 401
 },
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
 }
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
 },
 "ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 }
 }
}

```



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 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048

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 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62};[A-Za-z0-9_/.-]{0,63};[A-Za-z0-9_/.-]{0,63};[A-Za-z0-9][A-Za-z0-9:/+=, @.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},
"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {

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 "smithy.api#default": false
 }
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
},
"com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 },
 "com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicense":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 }
]
 }

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 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 }
}

```

```

 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed":
{
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 }
 }
 },

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```

 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
 }
}

```



```

{
 "target": "com.amazonaws.licensemanager#RedirectException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 }
 },

```

```

 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 }
 },
 "smithy.api#required": {}
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 }
 }
}

```

```

 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#output": {}
 },
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 36
 }
 }
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
 },
 "com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {

```

```

"type": "structure",
"members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name (ARN):</p>

<p>An Amazon Web Services
account, which includes only the account specified.</p>

<p>An organizational unit (OU), which includes all accounts in the OU.</p>

<p>An organization, which will include all accounts across your organization.</p>

"smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#input": {}
}
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},
"StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
},
"SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
},
"Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 }
 }
},
"Status": {

```

```

 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
},
"traits":
{
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",

```

```

 "smithy.api#required": {}
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code>\n </p>\n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for

```

`licenseAffinityToHost` is days and the range is 1 to 180. The possible values for `allowedTenancy` are `EC2-Default`, `EC2-DedicatedHost`, and `EC2-DedicatedInstance`. The possible values for `honorVcpuOptimization` are `True` and `False`.

```
 }
 },

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
```

```

"input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in"
 }
 }
 }
}

```

the *<i>License Manager User Guide</i>.</p>*

```
 "smithy.api#required": {}
 },
 "DestinationLicenseContext":
{
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href='\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
```



```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be generated:</p>\n
 \n
 \n
 <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n
 \n
 \n
 <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n
 \n
 ",
 "smithy.api#required": {}
 }
 }
}
},

```

```

 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 }
 },

```

```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",

```

```

 "traits":
{
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
}
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
},
"Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
},
"LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
},
"Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
},
"ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",

```

```

 "smithy.api#required": {}
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#output":

```



```

 {}
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {

```

```

 "target": "com.amazonaws.licensemanager#Arn",
 "traits":
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token. \n License Manager does not check whether the roles are in use.</p>"
 }
},
"ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token.</p>"
 }
},
"ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 }
 }
}

```

```

 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 }
 }
}

```

```

 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },

```

```

 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {

```

```

 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {

```



```

 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
 }

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {

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```

 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 },
 "com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
 },
 "com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS":
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 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
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 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 }
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
},

```

```

"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},
"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
 "type": "structure",

```



```

"members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "Bytes"
 }
},
"KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
},
"MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
},
"GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":
"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 },

```

```

"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
 "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {

```

```

"LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
},

"Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
},

"traits": {
 "smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},

"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 }
 },

```

```

 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
 },
 "com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
 },
 "com.amazonaws.licensemanager#FilterName": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {

```



```

 "smithy.api#xmlName": "item"
 }
}
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {

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 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Grant details.</p>"
 }
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {

```

```

 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 }
 }
}

```

```

 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 },
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

```

```

 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",

```



```

 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 }
 }
}

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 },

 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },

 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },

 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
 }
 },

 "traits": {
 "smithy.api#output": {}
 }
},

"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
]
}

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 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required": true
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
}

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 },
 "com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

"smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

"target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on.</p>"
 }
 }
 }
 }
}

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 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 }
 }
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {

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"target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
},
"ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
},
"GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

"smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
},
"StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
},

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"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
},
"GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
},
"Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
},
"traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
}
},
"com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
},
"com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {

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 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {

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"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
},
"ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
},
"ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
},
"Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
},
"Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in

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ISO8601-UTC format.</p>"

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 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 },
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 },
 "traits": {
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 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(?:(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|1-2)[0-9]T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$)"
 }
 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
 }

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 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },

 "com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
 }
},

 "com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CONTAINS"
 }
 }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
},
"com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
}

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 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 }
 }
}

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 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

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"target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
},
"ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
},
"LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
},
"CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>License
creation time.</p>"
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 }
}

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 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

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```

 "smithy.api#documentation": "<p>Number of licenses consumed.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
 },
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
 {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
 }
},
 "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits":
 {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 }
 },
 },

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 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },

 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },

 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 },

 "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
 },

 "com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
 },

 "com.amazonaws.licensemanager#LicenseConversionContext": {

 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
 }
 }
}

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 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {

 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n conversion task.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",

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 "traits": {
 "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\p{L}t-[a-zA-Z0-9]*$"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 }
 }
}

```

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 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {

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 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
 },
 "com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 }
 }
 }

```

```

 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 },
 "MetadataList": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
 },
 "com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

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 "smithy.api#required": {}
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 },
 "com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
 },
 "com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 }
 }
 }
}

```

```

 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 }
 }
 }

```

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 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {

"target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n "
 }
 }
 }
}

```

```

 \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 },
 },
 "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

 "traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"

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 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],

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```

{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are

```

```

<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
]
}

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 }
 },

```

```

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
 }
 }
}

```



```

 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
 {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",

```

```

 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
],

```

```

{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
}

```

```

 },
 "com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },

 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 },

```

```

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

"smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 }
 }
 }

```

```

 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {

```



```

 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n \n <p>\n <code>ParentArn</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalArn</code>\n </p>\n \n \n }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",

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```

"members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 }
}

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n"
 }
 }
}

```

```

 \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>IssuerName</code>\n </p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 }
}

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n
 Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",

```



```

"input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {

```

```

 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },
 "errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
 }
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
 \n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n<code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },

```

```

"com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
},
"com.amazonaws.licensemanager#Message": {
 "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 }
},
"com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n
 \n \n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n \n \n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see Granted licenses in
License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":

```



```

 "<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
},
"com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform

```

Name - The name of the platform. Logical operator is `EQUALS`.

Platform Type - The platform type.

Logical operator is `EQUALS`.

Tag:key - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`. The key for your tag must be appended to `Tag:` following the example: `Tag:name-of-your-key`. `ProductInformationFilterValue` is optional if you are not using values for the key.

AccountId - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`.

License Included - The type of license included. Logical operators are `EQUALS` and `NOT_EQUALS`. Possible values are: `sql-server-enterprise` | `sql-server-standard` | `sql-server-web` | `windows-server-datacenter`.

The following filters and logical operators are supported when the resource type is `RDS`:

Engine Edition - The edition of the database engine. Logical operator is `EQUALS`. Possible values are: `oracle-ee` | `oracle-se` | `oracle-se1` | `oracle-se2`.

License Pack - The license pack. Logical operator is `EQUALS`. Possible values are: `data guard` | `diagnostic pack sqlt` | `tuning pack sqlt` | `ols` | `olap`.

```

 "smithy.api#required": {}
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 }
 }
 },

```

```

 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
 },
 "com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {

```

```

 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 },
 "ReceivedStatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",

```

```

 "traits": {
 "smithy.api#httpHeader": "Location"
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 },
 "com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {

```

```

 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {

```



```

 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
},
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
}

```

```

 "Description": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 },
 "com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#ReportType": {

```

```

 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportType"
 }
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 },
 "com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
 },
 "com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {

```

```

 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_INSTANCE"
 }
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
 },
 "com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
 },
 "com.amazonaws.licensemanager#StatusReasonMessage": {

```

```

 "type": "string",
 "traits":
{
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\s\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
 "type": "string"
},
"com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#Tag": {
 "type": "structure",
 "members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",

```



```

 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
 },
 "com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits":
{
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a token.</p>"
 },
 "com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 }

```

```

 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
 }
 },

```

```

"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\nconfiguration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {

```

```

 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits": {
 {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
 {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {

```



```

 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n
 \n
 \n
 <p>License configuration report - Reports the number and details of consumed licenses for a license
 configuration.</p>\n
 \n
 \n
 <p>Resource report - Reports the tracked licenses and
 resource consumption for a license configuration.</p>\n
 \n
 ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
 idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 }
},
"traits": {

```

```

 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 }
}

```

```

 }
 },

 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 },
 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },

 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },

 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [

```

```

{
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
},
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
},
"com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}

```

## 1.100 [github.com/aws/aws-sdk-go-v2/service/internal/endpoint-discovery](https://github.com/aws/aws-sdk-go-v2/service/internal/endpoint-discovery) 1.9.10

## 1.100.1 Available under license :

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Checks out the specified license.
```

```
//
```

```
// If the account that created the license is the same that is performing the
```

```
// check out, you must specify the account as the beneficiary.
```

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{
 }
}
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckoutLicenseInput struct {
```

```
 //
```

```
 Checkout type.
```

```
 //
```

```
 // This member is required.
```

```
 CheckoutType types.CheckoutType
```

```
 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
```

```
 //
```

```
 // This member is required.
```

```
 ClientToken *string
```

```

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

```

```

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
}

```



```

if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {

```

```

 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
 name: License Scan
 runs-on: ubuntu-latest
 strategy:
 matrix:
 python-version: [3.9]

 steps:
 - name: Checkout target
 uses: actions/checkout@v2
 with:
 path: sdkbase
 ref: ${{ github.base_ref }}
 - name: Checkout this ref
 uses: actions/checkout@v2
 with:
 path: new-ref

```

```

 fetch-depth: 0
- name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
- name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt -> targetFiles.txt
- name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${{ matrix.python-version }}
 uses: actions/setup-python@v2
 with:
 python-version: ${{ matrix.python-version }}
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

```

package grafana

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

// Removes the Grafana Enterprise license from a workspace.

```

func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }
}

```

```

}

result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*DisassociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)

```

```

if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```

```

if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
}

```

```

 return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //

```

```

// - ProductSKU
//
// - Fingerprint
//
// - Status
Filters
[]types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListLicensesOutput struct {

// License details.
Licenses []types.License

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack,

```



```

options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {

```

```

 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil
{
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}

```

```

{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 },
 "ActiveDirectorySettings": {
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP \n\t\t\taddresses, and the credential provider for user administration.</p>"
 }
 },
 "ActiveDirectoryType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType",
 "traits": {
 "smithy.api#documentation": "<p>The type of Active Directory either a self-managed Active Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about an Active Directory identity provider.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
 "type": "structure",

```

```

"members": {
 "DomainName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
 }
 },
 "DomainIpv4List": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IPv4List",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active Directory.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 2
 }
 }
 },
 "DomainCredentialsProvider": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that contains information about the credential provider for user administration.</p>"
 }
 },
 "DomainNetworkSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an array of subnets that apply for the Active Directory.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network access and credential details that are needed for user administration in the Active Directory.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "SELF_MANAGED",
 "value": "SELF_MANAGED",
 "documentation": "SELF_MANAGED type of Active Directory"
 }
]
 }
}

```

```

 },
 {
 "name": "AWS_MANAGED",
 "value": "AWS_MANAGED",
 "documentation": "AWS_MANAGED type of Active Directory"
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-
zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],

```









```

 "smithy.api#required": {}
 },
 "LicenseServerSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\ttenables
administrators to add or remove users associated with the \n\t\t\t\tlicense server.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The ARN of the <code>LicenseServerEndpoint</code>
resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
 "type": "union",

```

```
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\t\t\tuser administration in the Active Directory.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Contains information about the credential provider for user \n\t\t\t\t\tadministration.</p>"
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
]
},
"traits": {
```

```

 "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/DeleteLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
 "traits": {
 "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {

```

```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License Manager user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {

```

```

 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",

 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
 }
}

```

```

 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest":
 {
 "type": "structure",
 "members": {
 "Username": {

```

```

 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to disassociate.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory domain.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 },
 "Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation":
"<p>Value of the filter.</p>"
 }
 }
 }
}

```



```
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results from a describe\n\t\t\t\tfor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {

 "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\t\tand other details about a specific Active Directory identity provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information about \n\t\t\t\tan identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {

 "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the registered \n\t\t\t\tidentity providers product related configuration settings, such as the \n\t\t\t\tsubnets to provision VPC endpoints.</p>",
```

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 "smithy.api#required": {}
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the identity provider.</p>",
 }
 },
 "smithy.api#required": {}
},
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based

```

```

subscriptions.</p>",
 "smithy.api#required": {}
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 },
 "Products": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
about the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
 }
 },
},
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
information for the product subscription.</p>"
 }
 }
}

```

```

 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#IPv4": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#IPv4List": {
 "type": "list",

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"member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IPv4"
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 }
 },

```





```

],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"

```

```

 },
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
 },
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv":
[
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
 }
]
 }
}

```

```

],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
 },
],
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 },
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
}

```

```

 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
],
 true
 }
],
 "rules": [

```



```

 "supportsDualStack"
]
 }
]
}

],
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
},
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",

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```

 "type": "error"
 }
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 }
]
}

```

```

 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack":
true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 }
 }

```



```

 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack":
false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },

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```

{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",

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 "UseFIPS": true,
 "UseDualStack": false
 }
},

{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {

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```

 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint":
"https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}

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 "ServerEndpoint": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerEndpoint",
 "traits": {
 "smithy.api#documentation":
"<p>The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server
endpoint.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The message associated with the provisioning status, if there is
one.</p>"
 }
 },
 "LicenseServerEndpointId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpointId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation":
"<p>The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server.</p>"
 }
 },
 "LicenseServerEndpointProvisioningStatus": {
 "target":
"com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint</p>"
 }
 },
 "LicenseServers": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerList",
 "traits": {
 "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
 }
 },
 "CreationTime": {
 "target": "smithy.api#Timestamp",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when License Manager created the license server

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endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\t\tlicense server.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
 "type": "string"
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
 "type": "string",
 "traits":
{
 "smithy.api#enum": [
 {
 "name": "PROVISIONING",
 "value": "PROVISIONING",
 "documentation": ""
 },
 {
 "name": "PROVISIONING_FAILED",
 "value": "PROVISIONING_FAILED",
 "documentation": ""
 },
 {
 "name": "PROVISIONED",
 "value": "PROVISIONED",
 "documentation": ""
 },
 {
 "name": "DELETING",
 "value": "DELETING",
 "documentation": ""
 },
 {
 "name": "DELETION_FAILED",
 "value": "DELETION_FAILED",
 "documentation": ""
 }
],
```



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 {
 "name": "DELETED",
 "value": "DELETED",
 "documentation": ""
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "HEALTHY",
 "value": "HEALTHY",
 "documentation": ""
 },
 {
 "name": "UNHEALTHY",
 "value": "UNHEALTHY",
 "documentation": ""
 },
 {
 "name": "NOT_APPLICABLE",
 "value": "NOT_APPLICABLE",
 "documentation": ""
 }
]
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
 "type": "structure",
 "members": {
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerSettings": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",
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 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
 "smithy.api#http": {
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 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },

 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Product</p>\n \n \n <p>DirectoryId</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",

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 "traits": {
 "smithy.api#documentation": "<p>An array of <code>IdentityProviderSummary</code> resources that
contain details about the Active Directory identity providers that meet the request criteria.</p>",
 "smithy.api#required": {}
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, there are additional elements that the service hasn't included in this request. Use this token with the
next request to retrieve additional objects.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 }
]
 }
 }
}

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>InstanceId</p>\n \n "
 }
 }
 },
 "traits": {

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 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse": {
 "type": "structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>An array of InstanceSummary resources that contain details about the instances that provide user-based subscriptions and also meet the request criteria.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpoints": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 }
]
 }
}

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 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/ListLicenseServerEndpoints"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "LicenseServerEndpoints"
 }
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>",
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>IdentityProviderArn</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type":
"structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 }
 }
},
"IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",

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 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>Username</p>\n
\n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't

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empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to

retrieve additional objects.</p>"

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 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#readonly": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags you want to retrieve.</p>",
 "smithy.api#httpLabel": {},
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 "smithy.api#required": {}
 }
},
"traits": {

"smithy.api#input": {}
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits":
{
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
},
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required":
 {}
 }
 },
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 },

```

```

 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline
results:</p>\n \n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits":

```

```

{
 "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
 "smithy.api#required": {}
},
"Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
},
"IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
},
"Status": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The status of a product for this user.</p>",
 "smithy.api#required": {}
 }
},
"ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
 }
},
"StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
 }
},
"Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory
that contains the user information for the product subscription.</p>"
 }
},
"SubscriptionStartDate": {

```

```

 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings": {
 "type": "structure",
 "members": {
 "RdsSalCredentialsProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse"
 }
}

```



```

 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider to register.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 },
 "Settings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 }
 },
 "smithy.api#required": {}
 }
},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-
\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
 }
}

```

```

 },
 "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecretsManagerCredentialsProvider":
 {
 "type": "structure",
 "members": {
 "SecretId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
 "smithy.api#length": {
 "min": 1
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17})$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ServerEndpoint": {
 "type": "structure",
 "members": {
 "Endpoint": {
 "target": "smithy.api#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ServerSettings": {
 "type": "union",
 "members": {
 "RdsSalSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings",
 "traits": {
 "smithy.api#documentation": "The <code>RdsSalSettings</code> resource
contains settings to configure a specific Remote Desktop Services (RDS) license server.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ServerType": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "RDS_SAL",
 "value": "RDS_SAL",
 "documentation": ""
 }
]
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>The request failed because a service quota is exceeded.</p>",
 "smithy.api#error": "client"
 }
}

```







```

 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
 }
 }
 }
 },
 },

```





```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{ResourceArn}"
 },

 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#Tags": {

```

```

 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes

```

```

tags from a resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 }
}

```



```

identity provider to update.</p>"
 }
 },
 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
 \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
 \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",

```

```
"traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
},
"SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688 communication between resources in\n\\n\\t\\tyour VPC and the VPC endpoints for activation servers.</p>"
 }
},
"traits": {
 "smithy.api#documentation":
"<p>Updates the registered identity providers product related configuration settings such as\n\\n\\t\\ttthe subnets to provision VPC endpoints.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
}
}
```

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Creates a license.
```

```
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
```



```

(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.

```

```

//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

```

```

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {

```

```

 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack);

```

```

err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

```

```

// License consumption token.
//
// This member is required.
LicenseConsumptionToken *string

// License beneficiary.
Beneficiary *string

noSmithyDocumentSerde
}

type
CheckInLicenseOutput struct {
// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if
err = addComputeContentLength(stack); err != nil {
return err
}
}

```

```

if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {

```

```

 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
ListLicenses
Initialize stack step
 spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
 spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```



ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme

```

GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
}

```

```

}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
}

```

```

 if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
 err != nil {
 return err
 }
 if err = addRecursionDetection(stack); err != nil {
 return err
 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

```

```

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger

```

OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer

```

Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
 spanBuildRequestEnd
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 spanRetryLoop
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware
 RecordResponseTiming
 RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }
}

```

```

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

```



```

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 }
 err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {

```

```

return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}

```

```

}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
}

```

```
}
}
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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ListReceivedLicenses
Initialize stack step
```

```

spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"

```

```

smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

```

```

noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err !=
 nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {

```

```

return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}
if err = addSpanInitializeStart(stack); err != nil {
return err
}
if err = addSpanInitializeEnd(stack); err != nil {
return err
}

```



```

}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if
err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
}
}
CreateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions

```

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

```
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
]
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
```

```

 "method": "POST",
 "uri": "/subscription/DeregisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
}

```

```

 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type":
"list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetRegisteredSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
}

```





```

 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists
the settings defined for Linux subscriptions discovery. The settings include ifn Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 }
},

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 }
 }
}

```



```

 }
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see Usage operation values in the <i>License Manager User Guide</i> .</p>"
 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery updated the instance details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
 }
 },
 "OsVersion": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The operating system software version that runs on your instance.</p>"
 }
 },
 "SubscriptionProviderCreateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses.</p>"
 }
 },
 "SubscriptionProviderUpdateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider.</p>"
 }
 },
 "DualSubscription": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for

```



```

 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",

```

```

 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
]
}

```

```

 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
 }
]
},
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}

```

```

 }
],
 "type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 }
]
 }
]
 }
]
}

```

```

 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],

 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
]
 }
]
 },
 {
 "fn": "supportsFIPS"
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],

```

```

 "rules": [
 {
 "conditions": [],

"rules": [

 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

 "type": "tree"
 },
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {

```



```

 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 },
 true
]
 },
 "rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "error": "FIPS is enabled
but this partition does not support FIPS",
 "type": "error"
}
],
"type": "tree"
},
{

```

```

 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 }
],
 }

```

```

 "type": "tree"
 }

],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [

```

```

{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},

```

```

{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },

```

```

 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack

```

```

enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS":
false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

```



```

{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
},

```

```

 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {

```

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 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation":
"<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 }
]
}

```

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 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>.</p>\n <p>For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results:</p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>DualSubscription</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>For each filter, you can use one of the following <code>Operator</code>"
 }
 }
 }
}

```

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values to \n \t\tdefine the behavior of the filter:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n \n }\n },\n "MaxResults": {\n "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",\n "traits": {\n "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"\n }\n },\n "NextToken": {\n "target": "smithy.api#String",\n "traits": {\n "smithy.api#documentation": "<p>A token to specify where to\nstart paginating. This \n\tis the nextToken from a previously truncated response.</p>",\n "smithy.api#length": {\n "min": 1,\n "max": 16384\n }\n }\n },\n "traits": {\n "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if\nparameters in request increases."\n }\n},\n"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {\n "type": "structure",\n "members": {\n "Instances": {\n "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",\n "traits": {\n "smithy.api#documentation": "<p>An array that contains instance objects.</p>"\n }\n },\n "NextToken": {\n\n "target": "smithy.api#String",\n "traits": {\n "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield\nisn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the\nnext request to retrieve \n\tadditional objects.</p>"\n }\n }\n }\n}

```

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 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 }
 }
 },
 "items": "Subscriptions"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't

```

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match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The
valid Operators for this filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
 }
 }
 }
}

```

```

 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
 "type": "operation",
 "input": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListRegisteredSubscriptionProviders"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "RegisteredSubscriptionProviders"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSources": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",

```







```

 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "tags": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [

```

```

 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/RegisterSubscriptionProvider"
 }
 },
 "smithy.api#idempotent": {}
}

```



```

 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
 }
 }
 },

```

```

"SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
 }
},
"LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"
 }
}

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
 }
 }

```



```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {

```



```

"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",

```



```

 "target": "smithy.api#String"
 }
},
"traits": {
 "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "tagKeys": {

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```
"target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested\n\t\t\tresource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 }
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },

```

```

 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target":
"smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
 },
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>"
 }
 }
 },
}

```

```

 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
}
}
}

```

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd



Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID

ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger

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// Code generated by smithy-go-codegen DO NOT EDIT.

```
package grafana
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
```

```
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
```

```
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
```

```
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type AssociateLicenseInput struct {
```

```
 // The type of license to associate with the workspace.
 //
```

```

// Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
// trials.
//
// This member is required.
LicenseType types.LicenseType

// The ID of the workspace to associate the license with.
//
// This member is required.
WorkspaceId *string

// A token from Grafana Labs that ties your Amazon Web Services account with a
// Grafana Labs account. For more information, see [Link your account with Grafana Labs].
//
// [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
GrafanaToken *string

noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

// A structure containing data about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {

```

```

return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,

```

```

c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,

```

```
ServiceID: ServiceID,
OperationName: "AssociateLicense",
}
}
```

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DeleteLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

```

spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

```

```

// Filters to scope the results. The following filters are supported:
//
// - ProductSKU
//
// - Status
//
//
// - Fingerprint
//
// - IssuerName
//
// - Beneficiary
Filters []types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

// Received license details.
Licenses []types.GrantedLicense

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
if err != nil {
return err
}

```

```

}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{ },
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {

```

```

 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {

```

```

return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
 },
 "shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckInLicense"
 },
]
 }
 }
}

```



```

{
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},
{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
}

```

```

},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
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 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
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 "aws.protocols#awsJson1_1": {},
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 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
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 "type": "String"
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 "required": true,
 "default": false,
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 "type": "Boolean"
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 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

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 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 },
 "com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {

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 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ServiceAccessDenied",
 "httpResponseCode": 401
 },
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
 }
 },
 "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
}
},
"com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:/+=,@.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
}

```

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 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},

"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",

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 "smithy.api#required": {}
 }
}

},
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
},
 "com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
 },
 "com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must

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use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {

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"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
},
"EntitlementsAllowed":
{
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
},
"NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
},
"SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
},
"IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
},
"Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
},
"CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
}

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```

 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 },

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 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
 }
 },
 "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
 }
}

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 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,

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 "max": 36
 }
}
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 }
}

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 },

 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p>\n \n \n <p>An Amazon Web Services account, which includes only the account specified.</p>\n \n \n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n \n \n <p>An organization, which will include all accounts across your organization.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 }
 }
 },
 "smithy.api#required": {}
},
"GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},

```

```

 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```



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 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code>\n </p>\n \n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

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 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n \n \n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n
",
 "smithy.api#required": {}
 }
 }
},
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 }
}

```

```

 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 }
}

```

```

 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {

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 "smithy.api#documentation": "<p>License status.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-

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UTC format.</p>",
 "smithy.api#required": {}
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
}

```

```

 },
 "traits": {

"smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":
{}
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
},
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token.\n License Manager does not check whether the roles are in use.</p>"
 }
 },
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\nto the amr claim of the JWT token.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
 },
 "com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",

```



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 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
},

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":

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```

{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 }
]
}

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action
deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required":
 {}
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {

```



```

"smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {

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```

 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
}
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {

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```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },
 "KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
 },
 "MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
 },

```

```

 "GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
 },
 "TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
 },
 "com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
 },
 "com.amazonaws.licensemanager#EntitlementNotAllowedException": {
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 }
 }
 }
 }
}

```

```

 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS":
 {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 }
}

```

```

 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {

 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":

```

```

"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},

```

```

"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},

"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},

"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {

```



```

 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {

```

```

 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},

```

```

"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},
"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },

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"output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
}
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```

```

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {

```

```

 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```



```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 },
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",

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 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 },

```

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 }
 },
 "ResourceArn": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was

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completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},

```

```

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required":
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
 }
}

```



```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

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```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

```

```

 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
 },
 "com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 }
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 }
}

```

```

 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
 {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(-(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|0[0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|0[0-9]):[0-5][0-9])+$)"
 }
 }

```



```

 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
},
"Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
},
"Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
}
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "CONTAINS"
 }
 }
 },
 "com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
 },
 "com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

```

```

algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 }
 },

```

```

 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {

```

```

 "smithy.api#documentation": "<p>License
creation time.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 }
 },
 },

```

```

"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
},
"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
}

```

```

 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",

```



```

 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
 {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
 }
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 }
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\\n conversion task.</p>"
 }
 }
 },
 "SourceLicenseContext": {

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```

 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 }
},
"traits": {

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```

 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\lct-[a-zA-Z0-9]*$"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":
 {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
 },
 "com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 }
 },

```

```

"MetadataList": {

 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
},
"com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
},

```



```

"com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },

 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
 }

```

```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
 }
 }
}

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },

 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 }
 }
 }
}

```



```

 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are
 <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {

```

```

 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
 "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits":
 {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {

```

```

"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
},
"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {

```



```

 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 }
 },

```

```

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",

```



```

 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },

```

```

"errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",

```

```

 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type

```



(`EC2_INSTANCE` | `EC2_HOST` | `EC2_AMI` | `SYSTEMS_MANAGER_MANAGED_INSTANCE`). \n Logical operators are `EQUALS` | `NOT_EQUALS`.

`resourceAccount` - The ID of the account that owns the resource. \n Logical operators are `EQUALS` | `NOT_EQUALS`.

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 }
 }
 }
}

```

```

 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 },

 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 },
 "com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
 },
 "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n

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 \n \n <p>As a grantor, you can optionally specify an\n
 <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n
 account in your organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed\n
 grant doesnt specify an\n
 <code>ActivationOverrideBehavior</code>, you can optionally specify one\n
 when you\n
 are activating the grant.</p>\n \n\n<dl>\n<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant\n
 without replacing any member accounts\n
 active grants for the same product.</p>\n </dd>\n<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a\n
 grant and disable other active grants in any\n
 member accounts\n
 for the same product. This action will also replace their\n
 previously activated grants with this activated\n
 grant.</p>\n </dd>\n</dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,\n
 such as activation\n
 override behavior. For more information, see <a\n
 href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in\n
 License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
"<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 }
}

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 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>.</p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license

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pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
 <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
\n ",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
},
"com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
},
"com.amazonaws.licensemanager#ProductInformationList": {

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 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
 },
 "com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
 },
 "com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 }
 },
 "ReceivedStatusReason": {

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 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
 }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "FAILED_WORKFLOW"
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",

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"members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 }
},

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```

"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 }
 }
 }

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 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits":
{
 "smithy.api#enumValue": "MONTH"
 }
 }
},
"com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 }
 }
}

```

```

 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
 },
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },

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```

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
"com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {

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 "target": "com.amazonaws.licensemanager#ReportType"
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 }
 }
}

```



```

},
"com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "EC2_INSTANCE"
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
 },
 "com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
 }
 },
 "com.amazonaws.licensemanager#String": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#Tag": {

```

```

"type": "structure",
"members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
},
"com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {

```

```

"TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
},
"TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
}
},
"traits": {

```

```

 "smithy.api#documentation": "<p>Describes a token.</p>"
 },
 "com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {

```



```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
configuration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],

```

```

{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n
<p>Resource report - Reports the tracked licenses and
resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [

```

```

{
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},

{
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
},
{
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
}
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 }
 },

```

```

 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
 },

```

```

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {

```



```

 "min": 0,
 "max": 50
 }
}
},
"com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}
}

```

# 1.101 github.com/alessandro-c/gomemcached-lock 1.0.0

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# 1.102 aws-aws-sdk-go-v2 1.32.8

## 1.102.1 Available under license :

name: License Scan

on: [pull\_request]

jobs:

licensescan:

name: License Scan

runs-on: ubuntu-latest

strategy:

matrix:

python-version: [3.9]

steps:

- name: Checkout target

uses: actions/checkout@v2

with:

path: sdkbase

ref: \${ github.base\_ref }

- name: Checkout this ref

uses: actions/checkout@v2

with:

path: new-ref

fetch-depth: 0

- name: Get Diff

run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT \${ github.event.pull\_request.base.sha }

\${ github.sha } > refDiffFiles.txt

- name: Get Target Files

run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt

- name: Checkout scancode

uses: actions/checkout@v2

with:

repository: nexB/scancode-toolkit

path: scancode-toolkit

fetch-depth: 1

- name: Set up Python \${ matrix.python-version }

uses: actions/setup-python@v2

with:

python-version: \${ matrix.python-version }

# ScanCode

- name: Self-configure scancode

working-directory: ./scancode-toolkit

run: ./scancode --help

- name: Run Scan code on target

run: cat targetFiles.txt | while read filename; do echo ./sdkbase/\$filename; done | xargs ./scancode-

```

toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
CreateLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
ListReceivedLicenses
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter

```

SetLogger  
 Serialize stack step  
 setOperationInput  
 ResolveEndpoint  
 OperationSerializer  
 Build stack step  
 ClientRequestID  
 ComputeContentLength  
 UserAgent  
 AddTimeOffsetMiddleware  
 RecursionDetection  
 Finalize stack step  
 ResolveAuthScheme  
 GetIdentity  
 ResolveEndpointV2  
 disableHTTPS  
 ComputePayloadHash  
 Retry  
 RetryMetricsHeader  
 setLegacyContextSigningOptions  
 Signing  
 Deserialize stack step  
 AddRawResponseToMetadata  
 ErrorCloseResponseBody  
 CloseResponseBody  
 ResponseErrorWrapper  
 RequestIDRetriever  
 OperationDeserializer  
 AddTimeOffsetMiddleware  
 RecordResponseTiming  
 RequestResponseLogger  
 {  
   "smithy": "2.0",  
   "shapes": {  
     "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {  
       "type": "integer"  
     },  
     "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {  
       "type": "long"  
     },  
     "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {  
       "type": "structure",  
       "members": {  
         "Name": {  
           "target": "smithy.api#String",  
           "traits": {  
             "smithy.api#documentation": "<p>The type of name to filter by.</p>"  
           }  
         }  
       }  
     }



```

 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings.</p>",
 "smithy.api#http": {

```

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 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetServiceSettings"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest":
{
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for Linux subscriptions discovery. The
settings include if\n Organizations integration has been enabled, and
which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays

```

the aggregated data for Linux\n subscriptions.</p>"

```
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
```

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 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery
updated the instance details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription being used by the instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",

```

```

 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
]
 }
 }
}

```

```

],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager, you can discover and track your commercial
Linux subscriptions on running\n Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The
AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {

```

```

 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 },
 "type": "tree",
 "rules": [
 {

 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "type": "tree",
 "rules": [
 {

 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],

```

```

 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
},
{
 "conditions": [],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "assign": "PartitionResult"
 }
],
 "type": "tree",
 "rules": [
 {

```



```

"conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",

```

```

 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
],
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
}
],
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {

```

```

 "ref": "UseFIPS"
 },
 true
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
]
 },
 {
 "conditions": [],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
]

```

```

 },
 {
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
 }
]
},

{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "type": "tree",
 "rules": [

```

```

 {
 "conditions": [],

 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
}

},

{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
],
},
{
 "conditions": [],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url":
"https://license-manager-linux-subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
}
]
}
],
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}

```

```

]
 }
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",

```

```

 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {

 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,

```

```

 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint":

```



```

{
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
}
},
"params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
}
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{

```

```

 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 }
}

```

```

 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled
and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",

"UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",

 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 }
 }

```

```

 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,

"Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
}

],
"version": "1.0"
}
},
"com.amazonaws.licenseanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {

```

```

 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation": "<p>Details if you have enabled resource discovery across your
accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [

```



```

 <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation":
 "<p>An array that contains instance objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 }
 }
}

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\nOrganizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Subscriptions"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n<code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n\n <p>\n <code>Subscription</code>\n </p>\n \n \n <p>The valid Operators for this filter are:</p>\n \n\n <p>\n <code>contains</code>\n </p>\n \n\n <p>\n <code>>equals</code>\n </p>\n \n \n "
 }
 }
 }
 }
}

```



```

 <code>Notequal</code>\n </p>\n \n "
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>",
 "smithy.api#length": {

 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [

```

```

 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
}
},

"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
 }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},

"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",

```

```

 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits":
 {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
},
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",

```

```

 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {

```

```

 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest":
{
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from.</p>",

 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target": "smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux
subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home
Region.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 }
 }
 },

 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",

```

```

 "traits": {
 "smithy.api#documentation":
 "<p>A message which details the Linux subscriptions service settings current status.</p>"
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
 }
}

```

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

// Deletes the specified license.

```

func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }
}

```

```

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }

```



```

}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err !=
nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}

```

```

}
if err = addTimeOffsetBuild(stack, c); err != nil
{
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"

```

```

)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //

```

```

// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

```

```
noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}
```

```
if
err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
}
```

```

if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return
err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
}
}

```

```
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListReceivedLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - ProductSKU
 //
 // - Status
 //
 // - Fingerprint
 //
 // - IssuerName
 //
 // - Beneficiary
 Filters []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.

```

```

LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListReceivedLicensesOutput struct {

// Received license details.
Licenses []types.GrantedLicense

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
}

```



```

}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err
= smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
}

```

```

if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
 return
 &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
 }
}

CheckoutLicense
Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step

```

AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
DisassociateLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
RegisterServiceMetadata

legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware

```

RecursionDetection
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```
package grafana
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)

```

```

out.ResultMetadata = metadata
return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");

```

```

err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {

```

```

 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID:
 ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```

package licensemanager

```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks out the specified license for offline use.

```

```

func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns

```



```

...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
if params == nil {
 params = &CheckoutBorrowLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*CheckoutBorrowLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.

```

```

 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)

```

```

if err != nil {
 return
 err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return
 err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}

```

```

if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)

```

```

*awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
 }
}

```

```

ListLicenses

```

```

Initialize stack step
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
Serialize stack step
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```

ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AWS SDK for Go  
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Copyright 2014-2015 Stripe, Inc.  
DeleteLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS

ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
GetLicense  
Initialize stack step  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
Serialize stack step  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer

```

AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licenseseanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type

```

```

CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if
 err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
}

```



```

if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 }
}

```

```

 OperationName: "CheckInLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //
 // - ProductSKU
 //
 // - Fingerprint
 //
 // - Status
 Filters
 []types.Filter

```

```

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListLicensesOutput struct {

// License details.
Licenses []types.License

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
}

```

```

}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
}

```

```

if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}

```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
```

```
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
```

```
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
```

```
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type AssociateLicenseInput struct {
```

```
 // The type of license to associate with the workspace.
```

```
 //
```

```
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
```

```
 //
```

```
 // This member is required.
```

```
 LicenseType types.LicenseType
```

```
 // The ID of the workspace to associate the license with.
```

```

//
// This member is required.
WorkspaceId *string

// A token from Grafana Labs that ties your Amazon Web Services account with a
// Grafana Labs account. For more information, see [Link your account with Grafana Labs].
//
// [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html#AMG-workspace-register-enterprise
GrafanaToken *string

noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

// A structure containing data about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack,

```

```

options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {

```



```

 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {

```

```

 return nil, err
}

out := result.(*GetLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}

```

```

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region),

```

```

middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license.
//
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {

```

```

 params = &CheckoutLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*CheckoutLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

```

```

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

 // Checkout type.
 CheckoutType types.CheckoutType

 // Allowed license entitlements.
 EntitlementsAllowed []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the checkout license.
 LicenseArn
 *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
}

```

```

}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}

```

```

if err = addOpCheckoutLicenseValidationMiddleware(stack);
err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}

```

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CheckInLicense

Initialize stack step

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

Serialize stack step

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

{

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  "shapes": {

    "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {

      "type": "structure",

      "members": {

        "message": {

```

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},
"traits": {
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 "smithy.api#error": "client"
}
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 "type": "structure",
 "members": {
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 "target": "smithy.api#String",
 "traits": {
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 }
 }
},
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"<p>Details about an Active Directory identity provider.</p>"
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},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
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 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
 },
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 },
 {
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 },
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 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {

```

```

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
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subscriptions.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related
costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing
status) in Amazon Web Services Billing. For more information, see Viewing your\n
monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/AssociateUser"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the
EC2 instance, which provides user-based subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ConflictException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current state of the\n resource.</p>",
 "smithy.api#error": "server"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {

```



```

 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deregisters the identity provider from providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 }
},

```

```

"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation":
"<p>Metadata that describes the results of an identity provider operation.</p>",
 "smithy.api#required": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {

```

```

 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
}

},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation":
 "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
}
},

```

"com.amazonaws.licensemanagerusersubscriptions#Filter": {

```

 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 },
 "Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used
to return more specific results from a describe\n operation. Filters can be used to match a set of resources by
specific criteria, such as tags,\n attributes, or IDs.</p>"
 }
},

```

"com.amazonaws.licensemanagerusersubscriptions#FilterList": {

```

 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
 }
},

```

"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {

```

 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that details an Active Directory identity provider.</p>"
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>Details about an identity provider.</p>"
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>An object that details the registered identity providers product
related configuration\n settings such as the subnets to provision VPC endpoints.</p>",
 "smithy.api#required":
{}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 }
 }
 },

```

```

 "traits": {
 "smithy.api#documentation":
"<p>Describes an identity provider.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status
of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {

```



```

"type": "service",

"version": "2018-05-10",
"operations": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 }
],
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 }
}

```

```

 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 }
],
 "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to utilize licensed software with a per user subscription fee on Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager User Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",

```

```

 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
},
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 }
],
 true
 }
]
 },
 {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",

```

```

 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],

"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],

```



```

 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 },
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
],
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
],
 }
]
 }

```

```

 true
]
 }
],
 "type": "tree",

 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
]
 },
 {
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 },
 {
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
 }
]
},

```

```

{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 },
 {
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
],

```



```

 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does
not support DualStack",
 "type": "error"
 }
],
 },
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
}
]
},
{
 "conditions":
[],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation":

```

```

"For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with
FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonaws.com.cn"
 }
 },

```

```

 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1
with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {

```

```

 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },

 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1
with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 },

```

```

"params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect":
{
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"

```

```

 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but
this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {

```

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 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{

```

```

 "documentation": "For custom endpoint with region not set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
}

```

```

 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 }
]
}

```



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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the identity providers for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },
 "smithy.api#paginated":
 {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse":
{
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Metadata that describes the list identity providers operation.</p>",
 "smithy.api#required": {}
 }
},
"NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",

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 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse": {
 "type":
"structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list instances operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```

```

 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
}

```

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 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name
of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match
one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",

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 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 },

 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},

"com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",

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 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated":
 {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity
provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",

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 "traits": {
 "smithy.api#documentation": "<p>Token for
the next set of results.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```



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 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a product for a user.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for a user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The
start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The summary of the user-based subscription products for a user.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "Settings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration settings such as the\n subnets to provision VPC endpoints.</p>"
 }
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary":
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {
 "type": "string",

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"traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17})$"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request failed because a service quota is exceeded.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Settings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation":
"<p>The subnets defined for the registered identity provider.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n your VPC and the VPC endpoint for activation servers.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration settings
such as the\n subnets to provision VPC endpoints, and the security group ID that
is associated with the VPC\n endpoints. The security group should permit inbound TCP port 1688
communication from resources\n in the VPC.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Starts a product subscription for a user with the specified identity provider.</p>\n <note>\n <p>Your estimated bill for charges on the number of users and related costs will take 48\n hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing.\n For more information, see <a\n href=\"https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/invoice.html\">Viewing your\n monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n </note>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StartProductSubscription"
 }
 }
 },

```

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"com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
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 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
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 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
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 "smithy.api#required":
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 "Product": {
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 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
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 "traits": {
 "smithy.api#documentation": "<p>The domain name of the user.</p>"
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 }
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 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
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 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation":
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 }
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 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
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 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "subnet-[a-z0-9]{8,17}"
 }
 }
}

```



```

 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
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 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 },
 "errors": [
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 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
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 "traits": {
 "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered identity provider.</p>",
 "smithy.api#http": {
 "code": 200,

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 "method": "POST",
 "uri": "/identity-provider/UpdateIdentityProviderSettings"
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 "smithy.api#idempotent": {}
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"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#required": {}
 }
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 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
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 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration settings. You can\n update any combination of settings in a single operation such as the:</p>\n\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
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 }
 }
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"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",

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"members": {
 "AddSubnets": {

 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint for products that\n require connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID
that allows inbound TCP port 1688 communication between resources in\n your VPC and the VPC endpoints for
activation servers.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related configuration
settings such as\n the subnets to provision VPC endpoints.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
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 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
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 "smithy": "2.0",
 "metadata": {

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"suppressions": [
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 "namespace": "*"
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 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
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 "id": "PaginatedTrait",
 "namespace": "*"
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 "id": "HttpHeaderTrait",
 "namespace": "*"
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 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
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"shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
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 "target": "com.amazonaws.licensemanager#AcceptGrant"
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 {
 "target": "com.amazonaws.licensemanager#CheckInLicense"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
 },
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 "target": "com.amazonaws.licensemanager#CheckoutLicense"
 },
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 "target": "com.amazonaws.licensemanager#CreateGrant"
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]
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{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
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{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
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 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
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{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
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 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
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 "target": "com.amazonaws.licensemanager#CreateToken"
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 "target": "com.amazonaws.licensemanager#DeleteGrant"
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 "target": "com.amazonaws.licensemanager#DeleteLicense"
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 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
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 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
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 "target": "com.amazonaws.licensemanager#DeleteToken"
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 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
},
},
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 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
}

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```

 },
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 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
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 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
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 {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
 },
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 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
 },
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 "target": "com.amazonaws.licensemanager#GetServiceSettings"
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 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
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 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
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 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
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 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
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 "target": "com.amazonaws.licensemanager#ListLicenses"
 },
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 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
 },
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 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
 },
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 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
 },
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 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
 },
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 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
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 "target": "com.amazonaws.licensemanager#ListResourceInventory"
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 "target": "com.amazonaws.licensemanager#ListTagsForResource"
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 "target": "com.amazonaws.licensemanager#ListTokens"
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 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
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 "target": "com.amazonaws.licensemanager#RejectGrant"
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 "target": "com.amazonaws.licensemanager#TagResource"
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 "target": "com.amazonaws.licensemanager#UntagResource"
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 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
 },
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 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",

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```

 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software
vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send
this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [

```



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 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
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 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseFIPS"
 },
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]
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],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
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 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
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 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 }
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 }
]
}

```

```

 },
 "properties": {},
 "headers": {}
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 "type": "endpoint"
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 "conditions": [
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 "fn": "isSet",
 "argv": [
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 "ref": "Region"
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 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "aws.partition",
 "argv": [
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 "ref": "Region"
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 "assign": "PartitionResult"
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 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref":
"UseFIPS"
 },
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]
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],
 }
]
}

```

```

 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
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]
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 "type": "tree",
 "rules": [
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 "fn": "booleanEquals",
 "argv": [
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
]
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]
 }
]
 },
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 "fn": "booleanEquals",
 "argv": [
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 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
 "type": "tree",
 "rules": [

```

```

 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
]
},
{
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
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 "ref": "UseFIPS"
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]
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],
 "type": "tree",
 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
 true,

 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"

```

```

 },
 "supportsFIPS"
]
}
]
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],
"type": "tree",
"rules": [
{
 "conditions": [],
 "endpoint": {
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 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
},
{
 "conditions": [],
 "error": "FIPS is enabled but this
partition does not support FIPS",
 "type": "error"
}
],
},
{
 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
 },
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]
 }
],
 "type": "tree",
 "rules": [
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 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [

```

```

 true,
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 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 "supportsDualStack"
]
 }
]
},
"type": "tree",
"rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
]
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]

```

```

 },
 {
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
 }
]
},
"smithy.rules#endpointTests": {
 "testCases": [
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 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
]
}

```

```

 }
 },
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 "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-2.amazonaws.com"
 }
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 "params": {
 "Region": "ap-northeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
},
{
 "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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{
 "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-1.amazonaws.com"
 }
 }
}

```



```

 },
 "params": {
 "Region": "ap-southeast-1",
 "UseFIPS": false,
 "UseDualStack": false
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 },
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 "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 {
 "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ca-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ca-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
}

```

```

 },
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 "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-central-1.amazonaws.com"
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 },
 "params": {
 "Region": "eu-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 {
 "documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-north-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-south-1.amazonaws.com"
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 "params": {
 "Region":
"eu-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 {
 "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-1.amazonaws.com"
 }
 }
 }
]
}

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 },
 "params": {
 "Region": "eu-west-1",
 "UseFIPS": false,
 "UseDualStack": false
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},
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 "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
 "expect": {

 "endpoint": {
 "url": "https://license-manager.eu-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-2",
 "UseFIPS": false,
 "UseDualStack": false
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},
{
 "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-3.amazonaws.com"
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 },
 "params": {
 "Region": "eu-west-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.me-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "me-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.sa-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "sa-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-2.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.api.aws"
 }
 },

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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{

```

```

 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",

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```

 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation":
"For region us-gov-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.api.aws"
 }
 },
},
"params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
}
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {

```

```

 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

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 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,

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 "UseDualStack": false
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 },
 "params": {
 "UseFIPS": false,

 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 }
 }
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
}
],
"version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",

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 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {}
 }
},
"code": "ServiceAccessDenied",
 "httpResponseCode": 401
},
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
}
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
 },
 "ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
 }
 }
}

```

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 }
 },
 "com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
 }
 }
}

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 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:~{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9_/_+=, @.~-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError":
{
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account.</p>",

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 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},

"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
},

"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
},

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"com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
}

```

```

 },
 "com.amazonaws.licensemanager#CheckInLicenseRequest":
 {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicense":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 }
]
 }

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 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must
use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

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 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {}
 }
 }
 }
}

```

```

 "smithy.api#documentation": "<p>License consumption token.</p>"
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the\naccount that created the license is the same that is performing the check out, you must\n specify the account\nas the beneficiary.</p>\n </note>"
 }
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {

```



```

 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
 }
}

```

```

 }
 }
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {

```

```

 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 36
 }
 }
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,

```

```

 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {

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 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

```

{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href='\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
}
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {

```

```

 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name\n (ARN):</p>\n \n \n <p>An Amazon Web Services
account, which includes only the account specified.</p>\n \n \n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n
 \n <p>An organization, which will include all accounts across your organization.</p>\n
 \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},

```



```

"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 }
 },
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 }
 }
}

```

```

 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used."
 }
 }
 }
}

```

```

Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n
 <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |
<code>minimumCores</code>\n </p>\n \n \n <p>\n
<code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n
 <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n
\n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n
<code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n </p>\n \n \n <p>\n
<code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n
<code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for
<code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for
<code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n
<code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n
<code>True</code> and <code>False</code>.</p>"
 }
 },

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
 {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
 },

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {

 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting
the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting
from. \n\n For the structure of the source license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href=\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

```

```

"traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {

```



```

"type": "structure",
"members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n \n \n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n
",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
 }
}

```

```

 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {

```

```

 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {

```

```

 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",

```

```

 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
},
"traits": {
 "smithy.api#output":
{}
}
},
"com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
],

```



```

{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
},
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
{
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
},
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token.\n License Manager does not check whether the roles are in use.</p>"
 }
},
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The default is 365 days.</p>"
 }
},
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The data is mapped\n to the amr claim of the JWT token.</p>"
 }
}
}

```

```

 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {

```

```

 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 }
 }
 }
}

```

```

 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
 "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],

```

```

 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
 },

 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":
{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
}
},
"traits": {

```

```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 }
}

```



```

},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],

```

```

{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
}
},
"com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
}
},
"com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 }
 }
}
},
"com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 }
 },
 "SECONDS": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS":

```

```

{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
}
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
}

```

```

},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},
"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
}

```

```

 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
},
"com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS":
 {
 "target": "smithy.api#Unit",

```



```

 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":
"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },

```

```

"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},
"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
}

```

```

 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
},
"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementUsageList":

```

```

{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",

```

```

 "smithy.api#required": {}
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },

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```

 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
"<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
 },
 "com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
 },
 "com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",

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 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

```



```

 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",

```

```

 "smithy.api#required": {}
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",

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```

 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 }
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
},
"ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
},

```

```

"Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
},
"AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],

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{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",
 "smithy.api#required": {}
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information

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about the license type converted from.</p>"

```
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
```

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{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required":

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{}
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {

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 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },

 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "target": "com.amazonaws.licensemanager#ValidationException"
 },
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
 }
},

"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {

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```

 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

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],
 "traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 }
 }
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License

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Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

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 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Describes a grant.</p>"
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",

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"member": {
 "target": "com.amazonaws.licensemanager#Grant"
}
},
"com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 }
 }
}

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 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {

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```

 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {

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 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
{
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(-(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$)"
 }
},
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},

"com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",

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 "smithy.api#required": {}
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CONTAINS"
 }
 }
 }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
}

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 }
 },
 "com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",

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 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

"target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>License
creation time.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
 },
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {

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 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
 }
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

```

```

"smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
}
},
"com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
{
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
}
},
"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 }
 },

```

```

 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {

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```

 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 },
 "com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\\n conversion task.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":

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```

"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 },
},
"Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
},
"StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
},
"StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
},
},
"LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
},
},
"EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
},
},
"traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
},
},
"com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

```



```

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\c{[a-zA-Z0-9]}*$"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseConversionTasks": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
}
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},
"com.amazonaws.licensemanager#LicenseOperationFailure": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 },
 "MetadataList": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
 },
 "com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

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```

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
},
"com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 }
]
}

```

```

 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {

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```

 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
}

```





```

 "target": "com.amazonaws.licensemanager#GrantList",

 "traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 },
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {

```

```

"type": "structure",
"members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {

```

```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },

 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n
<code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
<code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n
<code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
enforcement is used. \n Logical operators are <code>EQUALS</code> |
<code>NOT_EQUALS</code>.</p>\n \n \n <p>\n
<code>usagelimitExceeded</code> - A Boolean value that
indicates whether the available licenses have been exceeded. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "Filters": {

```

```

 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 }
],

```

```

{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
},

"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [

```

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{
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token

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for the next set of results.</p>"

```
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
```

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
}

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```



```

"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
 }
}

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```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

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```

 "target": "com.amazonaws.licensemanager#ValidationException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
 },
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",

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"members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 },

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n
Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```

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"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
 }
}

```



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 }
 },
 "com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },
 "errors":
 [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]

```

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 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
 }
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {

```

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 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

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 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n <p>\n <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 }
}

```

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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 }
 }
 }
}

```

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 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 }
},
"com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n
\n \n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n \n \n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a

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grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see Granted licenses in
License Manager in the <i>License Manager User Guide</i>.</p>"
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
},
"ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>.</p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license
pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n \n \n "smithy.api#required": {}
 }
}
},

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 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
},
"com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
},
"com.amazonaws.licensemanager#ProductInformationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
},
"com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {

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 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
 },
 "com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 },
 "ReceivedStatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",

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 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
 }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

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 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
}

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 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 }
 },
 "Status": {

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 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
}
},
"com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 }
 },
}

```



```

 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 }
 }
 }
}

```

```

 },
 "LastRunFailureReason":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
},
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportType"
 }
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {

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 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 },
 "com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
 }
 }

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},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_INSTANCE"
 }
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "EC2_HOST"
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
},
"com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
},
"com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits":
{
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
}
},
"com.amazonaws.licensemanager#String": {
 "type": "string"
},
"com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#Tag": {
 "type": "structure",
 "members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 }
 }
}

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 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
}
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
},
"com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```



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 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 }
 },
 },

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"TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes a token.</p>"
}
},
"com.amazonaws.licensemanager#TokenList": {
 "type": "list",

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 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
 }
 },

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
},
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},

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 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 },
 },

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"LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
},
"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {

 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
configuration is licenseAffinityToHost.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
},
"Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
},
"Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
},
"ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

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 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits": {
 {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],
 },

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 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n <p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n <p>Resource report - Reports the tracked licenses and
resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",

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```

 "traits":
 {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },

 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 }
},

"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 },
 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
 "<p>ARNs of the license configurations to remove.</p>"
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
},
"com.amazonaws.licensemanager#ValidationException": {

```

```

 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}
}

```

## 1.103 [github.com/aws/aws-sdk-go-v2/service/dynamodbstreams](https://github.com/aws/aws-sdk-go-v2/service/dynamodbstreams) 1.20.10

### 1.103.1 Available under license :

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```
// Checks out the specified license.
```

```
//
```

```
// If the account that created the license is the same that is performing the
// check out, you must specify the account as the beneficiary.
```

```

func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }

```

```

 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {

```

```

 return nil, err
}

out := result.(*CheckoutLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CheckoutLicenseInput struct {

 //
 Checkout type.
 //
 // This member is required.
 CheckoutType types.CheckoutType

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 // This member is required.
 ClientToken *string

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Key fingerprint identifying the license.
 //
 // This member is required.
 KeyFingerprint *string

 // Product SKU.
 //
 // This member is required.
 ProductSKU *string

 // License beneficiary.
 Beneficiary *string

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

```

```

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {

```

```

return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}

```



```

}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}

```

name: License Scan

on: [pull\_request]

jobs:

licensescan:

name: License Scan

runs-on: ubuntu-latest

strategy:

matrix:

python-version: [3.9]

steps:

- name: Checkout target

uses: actions/checkout@v2

with:

path: sdkbase

ref: \${ github.base\_ref }

- name: Checkout this ref

uses: actions/checkout@v2

with:

path: new-ref

fetch-depth: 0

- name: Get Diff

run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT \${ github.event.pull\_request.base.sha }

\${ github.sha } > refDiffFiles.txt

- name: Get Target Files

run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt

- name: Checkout scancode

uses: actions/checkout@v2

with:

repository: nexB/scancode-toolkit

path: scancode-toolkit

fetch-depth: 1

- name: Set up Python \${ matrix.python-version }

uses: actions/setup-python@v2

with:

python-version: \${ matrix.python-version }

# ScanCode

- name: Self-configure scancode

working-directory: ./scancode-toolkit

run: ./scancode --help

- name: Run Scan code on target

run: cat targetFiles.txt | while read filename; do echo ./sdkbase/\$filename; done | xargs ./scancode-toolkit/scancode -l -n 30 --json-pp - | grep short\_name | sort | uniq >> old-licenses.txt

- name: Run Scan code on pr ref

run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/\$filename; done | xargs ./scancode-toolkit/scancode -l -n 30 --json-pp - | grep short\_name | sort | uniq >> new-licenses.txt

```

compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

```

```

noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }

```

```

}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
}

```

```

if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))

```

```

(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

type ListLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - Beneficiary

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - Status

```

```

 Filters

```

```

 []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListLicensesOutput struct {

```

```

 // License details.

```

```

 Licenses []types.License

```

```

 // Token for the next set of results.

```

```

NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack,
 options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }

```



```

}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
}

```

```

if err = addSpanInitializeEnd(stack); err != nil
{
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
}
}
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 }
 },
 "ActiveDirectorySettings":
 }
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
 },
},
"ActiveDirectoryType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType",
 "traits": {
 "smithy.api#documentation": "<p>The type of Active Directory either a self-managed Active
Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
 }
},
},
"traits": {
 "smithy.api#documentation": "<p>Details about an Active Directory identity
provider.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings": {
 "type": "structure",
 "members": {
 "DomainName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
 }
 },
 "DomainIpv4List": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IPv4List",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active
Directory.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 2
 }
 }
 },
 "DomainCredentialsProvider": {
 "target":
"com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that
contains \n\t\t\tinformation about the credential provider for user administration.</p>"
 }
 },
 "DomainNetworkSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an
array of \n\t\t\tsubnets that apply for the Active Directory.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network access and credential details that are needed for
\n\t\t\tuser administration in the Active Directory.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "SELF_MANAGED",
 "value": "SELF_MANAGED",
 "documentation": "SELF_MANAGED type of Active Directory"
 },
 {
 "name": "AWS_MANAGED",
 "value": "AWS_MANAGED",
 "documentation": "AWS_MANAGED type of Active Directory"
 }
]
 },
 "com.amazonaws.licensemanagerusersubscriptions#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-
zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 }
]
}

```

```
{
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Associates the user to an EC2 instance to utilize user-based
subscriptions.</p>\n <note>\n \n <p>Your estimated bill for charges on the number of users and related
costs will take 48\n\t\t\thours to appear for billing periods that haven't closed (marked as Pending
billing status) in Amazon Web Services Billing. For more information, see Viewing your monthly charges in the <i>Amazon Web Services Billing User Guide</i>.</p>\n \n </note>",
 "smithy.api#http":
 {
 "code": 200,
 "method": "POST",
 "uri": "/user/AssociateUser"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
```

```

 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance that provides the user-based
subscription.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to associate.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the user association.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {

```









```

 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
}

],
"traits": {
 "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/DeleteLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\t\tresource to delete.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
 "smithy.api#required": {}
 }
 }
 }
}
},

```

```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
 "traits": {
 "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
]
 }
}

```

```

 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License Manager user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> | <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity provider to deregister.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",

```

```

"members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#Directory":
{
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
],

```

```

 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest":
{
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance.</p>"
 }
 }
 },
 "traits": {}
}

```

```

 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to disassociate.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory
domain.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Filter": {

```





```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information about \n\t\t\t\tan identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the registered \n\t\t\t\tidentity providers product related configuration settings, such as the \n\t\t\t\tsubnets to provision VPC endpoints.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {

"type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {

 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
about the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
 }
 },
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
information for the product subscription.</p>"
 }
 },
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
 }
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#InternalServerError": {

```

```

"type": "structure",
"members": {
 "message": {
 "target": "smithy.api#String"
 }
},
"traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
}
},
"com.amazonaws.licensemanagerusersubscriptions#IPv4": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(?:25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IPv4List": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IPv4"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
 },
 {

```

```

 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",

```

```
"x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",

 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
 "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n\t\t per user subscription fee on Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager User Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn":
 "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured
```

endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

```
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
},
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 },
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
],

```



```

 true
]
}
],
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},

 "headers": {}
 },
 "type": "endpoint"
}
],
"type": "tree"
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
},
],
"rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv":
[
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [

```

```

{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",

```

```

 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
},
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.PartitionResult#dualStackDnsSuffix",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
}
],

```

```

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [

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 {
 "ref": "UseDualStack"
 },
 true
]
}
],
"rules": [
 {
 "conditions": [

 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]

 },
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
],

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 "type": "tree"
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 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 },
]
}

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 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

"UseDualStack": false
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 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {

"url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-
1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack":
true
 }
 }

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 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack":
false
 }
 },
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 }
 }
]
}

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 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },

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 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
],

 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 },

 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,

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 "UseDualStack": false
 },
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 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 },
 "params": {

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 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {

 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint":
"https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{

```



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 "traits": {
 "smithy.api#documentation": "<p>Information about a Remote Desktop Services (RDS) license
server.</p>"
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider that's
associated with \n\t\t\tthe RDS license server endpoint.</p>"
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>"
 }
 },
 "ServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
 "traits": {
 "smithy.api#documentation":
 "<p>The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server
endpoint.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The message associated with the provisioning status, if there is
one.</p>"
 }
 },
 "LicenseServerEndpointId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation":
 "<p>The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server.</p>"
 }
 }
 }
 }
}

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 },
 "LicenseServerEndpointProvisioningStatus": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint</p>"
 }
 },
 "LicenseServers": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
 "traits": {
 "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
 }
 },
 "CreationTime": {
 "target": "smithy.api#Timestamp",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
 "type": "string"
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
 "type": "string",
 "traits":
{
 "smithy.api#enum": [
 {
 "name": "PROVISIONING",
 "value": "PROVISIONING",
 "documentation": ""
 }
]
}

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 },
 {
 "name": "PROVISIONING_FAILED",
 "value": "PROVISIONING_FAILED",
 "documentation": ""
 },
 {
 "name": "PROVISIONED",
 "value": "PROVISIONED",
 "documentation": ""
 },
 {
 "name": "DELETING",
 "value": "DELETING",
 "documentation": ""
 },
 {
 "name": "DELETION_FAILED",
 "value": "DELETION_FAILED",
 "documentation": ""
 },
 {
 "name": "DELETED",
 "value": "DELETED",
 "documentation": ""
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "HEALTHY",
 "value": "HEALTHY",
 "documentation": ""
 },
 {
 "name": "UNHEALTHY",
 "value": "UNHEALTHY",
 "documentation": ""
 },
 {
 "name": "NOT_APPLICABLE",
 "value": "NOT_APPLICABLE",
 "documentation": ""
 }
]
 }
}

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]
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
 "type": "structure",
 "members": {
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\tserver.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 }
]
 }
}

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },

 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n"
 }
 }
 }
}

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single

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request.</p>"
 }
},
"NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
},
"Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>InstanceId</p>\n \n "
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse": {
 "type": "structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>An array of <code>InstanceSummary</code> resources that
contain details \n\t\t\tabout the instances that provide user-based subscriptions and also meet the \n\t\t\trequest
criteria.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When
this field isn't empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token
\n\t\twith the next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints": {
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 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
 </p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/ListLicenseServerEndpoints"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "LicenseServerEndpoints"
 }
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {

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 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {

 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",

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 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type":
"structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
 }
}

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 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to
retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
}

```

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 }
],
 "traits": {
 "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#readonly": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 }
}

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 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits":
 {
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",

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 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required":
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline
results:</p>\n \n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 }
 }
}

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 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a product for this user.</p>",
 "smithy.api#required": {}
 }
 }
}

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 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory
that contains the user information for the product subscription.</p>"
 }
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings": {
 "type": "structure",
 "members": {
 "RdsSalCredentialsProvider": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {

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 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
register.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",

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"members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",

 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-
\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider":
{
 "type": "structure",
 "members": {
 "SecretId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
 "smithy.api#length": {
 "min": 1
 }
 }
 }
 }
}

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 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionRequest": {
 "type":
"structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider of the user.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the product subscription.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },

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"com.amazonaws.licenseanagerusersubscriptions#StartProductSubscriptionResponse":
{
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
}

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],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An
object that specifies details for the identity provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The

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domain name of the Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"

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 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
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 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#TagResource": {

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{ResourceArn}"
 },
 },

 "smithy.api#idempotent": {}
},
"com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want to tag.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 }
}

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 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Tags": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",

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 "smithy.api#error": "client"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes
tags from a resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 }
}

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 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered identity\n\t\t\t\tprovider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/UpdateIdentityProviderSettings"
 },
 "smithy.api#idempotent": {}
 }
}

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 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
for products that require connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in your VPC and the VPC endpoints for activation servers.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Updates the registered identity providers product related configuration settings such as the subnets to
provision VPC endpoints.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {

```

```

 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
}
}
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //

```



This member is required.  
ClientToken \*string

// Configuration for consumption of the license. Choose a provisional  
// configuration for workloads running with continuous connectivity. Choose a  
// borrow configuration for workloads with offline usage.  
//  
// This member is required.  
ConsumptionConfiguration \*types.ConsumptionConfiguration

// License entitlements.  
//  
// This member is required.  
Entitlements []types.Entitlement

// Home Region for the license.  
//  
// This member is required.  
HomeRegion \*string

// License issuer.  
//  
// This member is required.  
Issuer \*types.Issuer

// License name.  
//  
// This member is required.  
LicenseName \*string

// Product name.  
//  
// This member is required.  
ProductName \*string

// Product SKU.  
//  
// This member is required.  
ProductSKU \*string

// Date and time range during which the license is valid, in ISO8601-UTC format.  
//  
// This member is required.  
Validity \*types.DatetimeRange

// Information about  
the license.  
LicenseMetadata []types.Metadata

```

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License status.
 Status types.LicenseStatus

 // License version.
 Version *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {

```

```

return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}
if err = addComputePayloadSHA256(stack); err != nil {
return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}

```

```

 }
 if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
 }
 if err = addResponseErrorMiddleware(stack); err != nil {
 return err
 }
 if err = addRequestResponseLogging(stack, options); err != nil {
 return err
 }
 if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
 }
 if err = addSpanInitializeStart(stack); err != nil {
 return err
 }
 if err = addSpanInitializeEnd(stack); err != nil {
 return err
 }
 if err = addSpanBuildRequestStart(stack);
 err != nil {
 return err
 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licenseseanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
 CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
 }

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)

```

```

if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if
err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {

```

```

 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata

```

```

{
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
}
}

```

ListLicenses

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger



```
CheckoutLicense
Initialize stack step
 spanInitializeStart
 RegisterServiceMetadata
 legacyEndpointContextSetter
 SetLogger
 OperationInputValidation
 spanInitializeEnd
Serialize stack step
 spanBuildRequestStart
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
 spanBuildRequestEnd
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 spanRetryLoop
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware
 RecordResponseTiming
 RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.
```

```
package licensemanager
```

```
import (
 "context"
 "fmt"
```

```

awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
"github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
"github.com/aws/smithy-go/middleware"
smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

```

```

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err
 != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }
}

```

```

if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {

```

```

 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}
DisassociateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step

```

AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware

```

RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckoutBorrowLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.

```

DigitalSignatureMethod types.DigitalSignatureMethod

// License entitlements. Partial checkouts are not supported.

//

// This member is required.

Entitlements []types.EntitlementData

// Amazon Resource Name (ARN) of the license. The license must use the borrow

// consumption configuration.

//

// This member is required.

LicenseArn \*string

// Information about constraints.

CheckoutMetadata []types.Metadata

// Node ID.

NodeId \*string

noSmithyDocumentSerde

}

type CheckoutBorrowLicenseOutput struct {

// Information about constraints.

CheckoutMetadata []types.Metadata

// Allowed license entitlements.

EntitlementsAllowed

[]types.EntitlementData

// Date and time at which the license checkout expires.

Expiration \*string

// Date and time at which the license checkout is issued.

IssuedAt \*string

// Amazon Resource Name (ARN) of the license.

LicenseArn \*string

// License consumption token.

LicenseConsumptionToken \*string

// Node ID.

NodeId \*string

// Signed token.

SignedToken \*string



```

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 }
 err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}

```

```

}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}

```

```

}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
}
}

CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2

```

disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger

AWS SDK for Go

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ListReceivedLicenses

Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader

```

setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.

```

```

LicenseArn *string

// Current version of the license.
//
// This member is required.
SourceVersion
*string

noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

// Date when the license is deleted.
DeletionDate *string

// License status.
Status types.LicenseDeletionStatus

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err !=
nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
}

```

```

if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {

```

```

 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if
err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
 }
}
CreateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd

```



Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
{  
  "smithy": "2.0",  
  "shapes": {  
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {  
      "type": "integer"  
    },  
    "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {  
      "type": "long"  
    },  
    "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {  
      "type": "operation",  
      "input": {  
        "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"  
      },  
      "output": {

```

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/DeregisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {},
 "traits": {

```

```

 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
 },
 "errors": [
 {

```

```

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's
registered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetRegisteredSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation":
"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
 }
 }
 }
}

```



```

"output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetServiceSettings"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists
the settings defined for Linux subscriptions discovery. The settings include ifn Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
 }
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 }
 }
 }
}

```

```

 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\">Usage\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery updated the instance
details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
 }
 },
 "OsVersion": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The operating system software version that runs on your

```



```
instance.</p>"
 }
},
"SubscriptionProviderCreateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when you registered
the third-party Linux subscription \n\t\tprovider for the subscription that the instance uses.</p>"
 }
},
"SubscriptionProviderUpdateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the
registered \n\t\tthird-party Linux subscription provider.</p>"
 }
},
"DualSubscription": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for
\n\t\tthe same software on your instance.</p>"
 }
},
"RegisteredWithSubscriptionProvider": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\tta
third-party Linux subscription provider that you've registered with License Manager.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux
subscriptions.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
```

```

 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {

```

```

"aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
},
"aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
},
"aws.protocols#restJson1": {},
"smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,

```

"documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",

"type": "Boolean"

},

"Endpoint": {

"builtIn": "SDK::Endpoint",

"required": false,

"documentation": "Override the endpoint used to send this request",

"type": "String"

}

},

"rules": [

{

"conditions": [

{

"fn": "isSet",

"argv": [

{

"ref": "Endpoint"

}

]

}

],

"rules": [

{

"conditions": [

{

"fn": "booleanEquals",

"argv": [

{

"ref": "UseFIPS"

},

true

]

}

],

"error": "Invalid Configuration: FIPS and custom endpoint are not supported",

"type": "error"

},

{

"conditions": [],

"rules": [

{

"conditions": [

{

"fn": "booleanEquals",

"argv": [

```

 {
 "ref": "UseDualStack"
 },
 true
]
}

],
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
"type": "tree"

}
],
"type": "tree"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {

```

```

 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
 }
],

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
]
 }
]
 }
]
 },
 "supportsFIPS"
]

```

```

]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
"rules": [
 {
 "conditions": [],

"rules": [

 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

 "type": "tree"
},
 "type": "tree"
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
}

```

```

 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",

```



```

"properties": {},

 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "FIPS is enabled
but this partition does not support FIPS",
 "type": "error"
 }
],
 "type": "tree"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 }
]

```

```

]
 }
]
 }
],
"rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
"rules": [
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
"rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
]

```

```

],
 "type": "tree"
 }
],
 "type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 }
],

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{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-
1.api.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 }
}

```

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 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},

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{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {

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 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS":
false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 }
 }
}

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 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {

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 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,

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 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
}
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation":

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"<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
 "smithy.api#required": {}
}
},
"traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":

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{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your
specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the
\n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n
\n \t<code>Value</code>, such as <code>us-west</code>.</p>\n <p>For each filter, you can specify one of the
following values for the <code>Name</code> key \n \tto streamline results:</p>\n \n \n
<p>\n <code>AccountID</code>\n </p>\n \n \n
<p>\n <code>AmiID</code>\n </p>\n \n \n
<p>\n <code>DualSubscription</code>\n </p>\n \n \n
<p>\n <code>InstanceID</code>\n </p>\n \n \n
<p>\n <code>InstanceType</code>\n </p>\n \n \n
<p>\n <code>ProductCode</code>\n </p>\n \n \n
<p>\n <code>Region</code>\n </p>\n \n \n
<p>\n <code>Status</code>\n </p>\n \n \n
<p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>For each filter, you can use
one of the following <code>Operator</code>
values to \n \tdefine the behavior of the filter:</p>\n \n \n
<p>\n <code>contains</code>\n </p>\n \n \n
<p>\n <code>equals</code>\n </p>\n \n \n
<p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to
start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
}

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 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n\t organization, the returned results will include data aggregated across your accounts in\n\t Organizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",

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 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",

 "items": "Subscriptions"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those
that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n
<code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't
match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The
valid Operators for this filter are:</p>\n \n \n <p>\n
<code>contains</code>\n </p>\n \n \n <p>\n
<code>equals</code>\n </p>\n \n \n <p>\n
<code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 }
 },
},

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 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
 "type": "operation",
 "input": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration

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resources for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListRegisteredSubscriptionProviders"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "RegisteredSubscriptionProviders"
 }
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSources": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",
 "traits": {
 "smithy.api#documentation": "<p>To filter your results, specify which subscription providers to
return \n\t\t\tin the list.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>",
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 }
 }
},
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\t\tis the
nextToken from a previously truncated response.</p>"
 }
 }
},
 "traits": {
 "smithy.api#input": {}
 }
}

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 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#readonly": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource for which to
list metadata tags.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "tags": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 }
]
 }
}

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 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
"smithy.api#length": {
 "min": 1,
 "max": 20
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
 },

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 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation":
"<p>The Linux subscription provider that you registered.</p>"
 }
 },
 "SubscriptionProviderArn": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\t\tthat you requested.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",

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 "traits": {
 "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is the offline token.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions, \n\t\t\tthis is the status of the offline token.</p>"
 }
 },
 "SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 {
 "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription \n\t\t\tprovider token status.</p>"
 }
 },
 "LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider, License Manager can get subscription data from the registered provider.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList": {
 {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
 }
 }
 }
 }

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 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-\\.]{0,63}:secret:[^/]{1,1023}$"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
 }
}

```

```

 },

 "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
 },

 "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
 },

 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 }
 }
 }
 }

```





```

 "smithy.api#enum": [
 {
 "name": "ACTIVE",
 "value": "ACTIVE",
 "documentation": "ACTIVE status"
 },
 {
 "name": "INVALID",
 "value": "INVALID",
 "documentation": "INVALID status"
 }
],
 "documentation": "INVALID status"
 },
 {
 "name": "PENDING",
 "value": "PENDING",
 "documentation": "PENDING status"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],

```



```

"com.amazonaws.licensemanagerlinuxsubscriptions#Tags": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web Services resource.</p>",

```

```

 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services resource to remove the metadata tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "tagKeys": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 }
}

```

```

},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "AllowUpdate": {
 "target":
"smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home

```

```

Region.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The
settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated
from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",

```

```

 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
 }
}

```

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper



RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
// Code generated by smithy-go-codegen DO NOT EDIT.

```

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.

```

```

WorkspaceId *string

// A token from Grafana Labs that ties your Amazon Web Services account with a
// Grafana Labs account. For more information, see [Link your account with Grafana Labs].
//
// [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html#AMG-workspace-register-enterprise
GrafanaToken *string

noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

// A structure containing data about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
return err
}

```

```

}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),

```

```

middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}
}

```

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DeleteLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

```

Serialize stack step
 spanBuildRequestStart
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
 spanBuildRequestEnd
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 spanRetryLoop
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware
 RecordResponseTiming
 RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists received licenses.
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns

```

```

...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListReceivedLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

type ListReceivedLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Status

```

```

 //

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - IssuerName

```

```

 //

```

```

 // - Beneficiary

```

```

 Filters []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListReceivedLicensesOutput struct {

```

```

 // Received license details.

```

```

 Licenses []types.GrantedLicense

```

```

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }

```

```

}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =
addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}

```

```

}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
],
 },
}

```

```

 {
 "id": "Service",
 "namespace": "*"
 }
]
},
"shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },

{
 "target": "com.amazonaws.licensemanager#CheckInLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},

```



```

{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenses"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
 },
 {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
 },
 {
 "target": "com.amazonaws.licensemanager#ListResourceInventory"
 },
 {
 "target": "com.amazonaws.licensemanager#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#ListTokens"
 },
 {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RejectGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
 },
 {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 }
 }
 },

```

```

 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send
this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant
endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 }
]
}

```

```

]
 }
},
"error": "Invalid Configuration: FIPS and custom endpoint are not supported",
"type": "error"
},
{
"conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
"error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
"type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
},
"type": "tree",
"rules": [

```

"UseFIPS"

```
{
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "

 },
 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
```

```

 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
}
]
},
{
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 }
],
 "supportsDualStack"
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
]
},

```

```

{
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,

{
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
 "type": "tree",
 "rules": [

{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
},

```



```

 {
 "conditions": [],
 "error": "FIPS is enabled but this
partition does not support FIPS",
 "type": "error"
 }
],
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 "supportsDualStack"
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",

```

```

 "properties": {},
 "headers": {}

 },
 {
 "type": "endpoint"
 }
]
},
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
]
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,

```

```

 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-3.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "ap-northeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-1.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "ap-southeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-southeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ca-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ca-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-central-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-north-1.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "eu-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region":
"eu-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.me-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "me-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.sa-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "sa-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.amazonaws.com"
 }
 },
 "params": {

```

```

 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region

```



```

us-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-west-2 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-2.amazonaws.com"
 }
 },
 "params": {

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```

 "Region": "us-west-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",

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```

 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,

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 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation":
 "For region us-gov-west-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {

```

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 "url": "https://license-manager-fips.us-gov-west-1.amazonaws.com"
 },
 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
}

```

```

 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,

```

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 "UseDualStack": false
 }
},

{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },

```

```

 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

"UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {

```



```

 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 },
 "version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#AcceptGrantRequest": {

```

```

 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
 },

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```

 "traits": {
 "aws.protocols#awsQueryError": {

"code": "ServiceAccessDenied",
 "httpResponseCode": 401
 },
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
 }
},
"com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
 },
 "ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperation": {

"type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 }
 }
}

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```

 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048

```

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 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62};[A-Za-z0-9_/.-]{0,63};[A-Za-z0-9_/.-]{0,63};[A-Za-z0-9][A-Za-z0-9:/+=, @.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},
"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {

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 "smithy.api#default": false
 }
},
"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
},
"com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

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```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 },
 "com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicense":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 }
]
 }

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 }
}

```

```

 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 }
 }
 },

```

```

 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
 }
}

```

```

{
 "target": "com.amazonaws.licensemanager#RedirectException"
},
{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
}
},
"com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 }
 },

```

```

 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 }
 },
 "smithy.api#required": {}
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 }
 }
}

```

```

 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",

```

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 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
},
"com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 36
 }
 }
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
 },
 "com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 }
}

```



```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {

```

```

 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an
Amazon Resource Name (ARN):</p>

<p>An Amazon Web Services
account, which includes only the account specified.</p>

<p>An organizational unit (OU), which includes all accounts in the OU.</p>

<p>An organization, which will include all accounts across your organization.</p>

"smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information, see\n Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},
"StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
},
"SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
},
"Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 }
 },
 "Status": {

```

```

 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
},
"traits":
{
 "smithy.api#output": {}
},
"com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a\n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",

```

```

 "smithy.api#required": {}
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used.
Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example,
#allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |
<code>minimumCores</code>\n </p>\n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> | \n <code>maximumCores</code> |
<code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> | \n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |
<code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> | \n <code>honorVcpuOptimization</code> | \n <code>maximumVcpus</code> |
<code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for

```



`licenseAffinityToHost` is days and the range is 1 to 180. The possible values for `allowedTenancy` are `EC2-Default`, `EC2-DedicatedHost`, and `EC2-DedicatedInstance`. The possible values for `honorVcpuOptimization` are `True` and `False`.

```
 }
 },

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
```

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"input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in

```

the *<i>License Manager User Guide</i>.</p>*

```
 "smithy.api#required": {}
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to.
For the structure of the destination license, see <a href='\"https://docs.aws.amazon.com/license-
manager/latest/userguide/conversion-procedures.html#conversion-cli\">Convert a license type using the CLI in
the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
```

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
{
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
},
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be generated:</p>\n \n \n <p>License configuration report - Reports the number and details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 }
},

```

```

 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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```

 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 }
 },

```

```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 }
]
 }
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",

```

```

 "traits":
{
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
}
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
},
"Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
},
"LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
},
"Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
},
"ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",

```

```

 "smithy.api#required": {}
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":

```

```

 {}
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {

```

```

 "target": "com.amazonaws.licensemanager#Arn",
 "traits":
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is
mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the
token. \n License Manager does not check whether the roles are in use.</p>"
 }
},
"ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\n to the amr claim of the JWT token.</p>"
 }
},
"ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
},
"com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {

```

```

 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 }
 }
}

```

```

 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 }
 }
}

```



```

 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },

```

```

 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {

```

```

 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It has no effect on the previous reports from this generator.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be deleted.</p>",
 "smithy.api#required": {}
 }
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {

```

```

 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
 }

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {

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```

 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 },
 "com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
 },
 "com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",

```



```

 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 }
},
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
},

```

```

"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},
"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
},
"com.amazonaws.licensemanager#EntitlementNotAllowedException":
{
 "type": "structure",

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"members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "Bytes"
 }
},
"KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
},
"MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
},
"GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":
"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 },

```

```

"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},
"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},
"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},
"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
 "com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {

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"LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
},

"Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
},

"traits": {
 "smithy.api#output": {}
}
},

"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},

"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 }
 },

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 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
 },
 "com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
 },
 "com.amazonaws.licensemanager#FilterName": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {

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 "smithy.api#xmlName": "item"
 }
 }
 },
 "com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
 },
 "com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {

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 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {

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```

 "smithy.api#documentation": "<p>Grant details.</p>"
 }
}
},
"traits": {

"smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {

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```

 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 }
 }
}

```



```

 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

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 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 },
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

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 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information
on.</p>",

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 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 }
 }
}

```

```

 },

 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },

 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },

 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was
completed.</p>"
 }
 },

 "traits": {
 "smithy.api#output": {}
 }
},

"com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
]
}

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 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required": true
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
}

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 },
 "com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

"smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {

"target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data, discovery data,\n and so on.</p>"
 }
 }
 }
 }
}

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 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 }
 }
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {

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"target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
},
"ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
},
"GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

"smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
},
"StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
},

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"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
},
"GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
},
"Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
},
"traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
}
},
"com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
},
"com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {

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 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {

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"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
},
"ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
},
"ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
},
"Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
},
"HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
},
>Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
},
Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in

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ISO8601-UTC format.</p>"

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 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
},
"ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
}
},
"traits": {
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 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(?:(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|0-1)[0-9]:([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|0[0-9]):[0-5][0-9])+$)"
 }
 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
 }

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 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },

 "com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
 }
 },

 "traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
 }
},

"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CONTAINS"
 }
 }
},
"com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
},
"com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
}

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 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing
algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 }
 }
}

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 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

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"target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
},
"ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
},
"LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
},
"CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>License
creation time.</p>"
 }
},
"Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 }
}

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 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {

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 "smithy.api#documentation": "<p>Number of licenses consumed.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
 },
 "OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
 },
 "ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be consumed and enforced by License Manager. Components include specifications for the license type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 }
 }
}

```



```

 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
 {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
 }
},
 "com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits":
 {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 }
 },
 },

```

```

 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },

 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },

 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 },

 "com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
 },

 "com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
 },

 "com.amazonaws.licensemanager#LicenseConversionContext": {

 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },

 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {

 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n conversion task.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",

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 "traits": {
 "smithy.api#documentation":
 "<p>The time the conversion task was started at.</p>"
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\p{L}t-[a-zA-Z0-9]*$"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 }
 }
 }
 }

```

```

 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
"com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {

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 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
 },
 "com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 }
 }
 }

```

```

 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 },
 "MetadataList": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
 },
 "com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
 },
 "com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

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 "smithy.api#required": {}
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 },
 "com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
 },
 "com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 }
 }
 }
}

```



```

 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 }
 }
 }

```

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 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource
launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n "
 }
 }
 }
}

```

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 \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
},
"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
},
"traits": {
 "smithy.api#input": {}
},
},
"com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
},
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 }
}

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 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],

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```

{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are

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<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
]
}

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 }
 },

```

```

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
 {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license
configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",

```

```

 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
],

```

```

 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 },

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
}

```



```

 },
 "com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },

 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 },

```

```

 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

"smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 }
 }
 }

```

```

 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {

```

```

 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n \n <p>\n <code>ParentArn</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalArn</code>\n </p>\n \n \n }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
{
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",

```

```

"members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 }
}

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n"
 }
 }
}

```



```

 \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>IssuerName</code>\n </p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 }
}

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n
 Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {

```

```

 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },
 "errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
 }
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
 \n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
 {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n<code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type
(<code>EC2_INSTANCE</code> | <code>EC2_HOST</code> | <code>EC2_AMI</code> |
<code>SYSTEMS_MANAGER_MANAGED_INSTANCE</code>). \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceAccount</code> - The ID of the account that owns the resource. \n Logical operators
are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 }
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 },

```

```

"com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
},
"com.amazonaws.licensemanager#Message": {
 "type": "string"
},
"com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 }
},
"com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
},
"com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n
\n \n <p>As a grantor, you can optionally specify an\n
<code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n account in your
organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
when you\n are activating the grant.</p>\n \n \n <dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
grant and disable other active grants in any\n member accounts
for the same product. This action will also replace their\n previously activated grants with this activated
grant.</p>\n </dd>\n </dl>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
such as activation\n override behavior. For more information, see Granted licenses in
License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":

```

```

 "<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
}
},
"com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
},
"com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform

```

Name - The name of the platform. Logical operator is `EQUALS`.

Platform Type - The platform type.

Logical operator is `EQUALS`.

Tag:key - The key of a tag attached to an Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`. The key for your tag must be appended to `Tag:` following the example: `Tag:name-of-your-key`. `ProductInformationFilterValue` is optional if you are not using values for the key.

AccountId - The 12-digit ID of an Amazon Web Services account you wish to exclude from automated discovery. Logical operator is `NOT_EQUALS`.

License Included - The type of license included. Logical operators are `EQUALS` and `NOT_EQUALS`. Possible values are: `sql-server-enterprise` | `sql-server-standard` | `sql-server-web` | `windows-server-datacenter`.

The following filters and logical operators are supported when the resource type is `RDS`:

Engine Edition - The edition of the database engine. Logical operator is `EQUALS`. Possible values are: `oracle-ee` | `oracle-se` | `oracle-se1` | `oracle-se2`.

License Pack - The license pack. Logical operator is `EQUALS`. Possible values are: `data guard` | `diagnostic pack sqlt` | `tuning pack sqlt` | `ols` | `olap`.

```

 "smithy.api#required": {}
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 }
 }
 },

```

```

 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
 },
 "com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
},
"com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {

```

```

 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief
wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
},
"com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 },
 "ReceivedStatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",

```



```

 "traits": {
 "smithy.api#httpHeader": "Location"
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 },
 "com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
 "com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
 "com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {

```

```

 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {

 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 }
 },
 "period": {

```

```

 "target": "com.amazonaws.licensemanager#ReportFrequencyType",

 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
},
"com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License
configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason":
{
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
},
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
}

```

```

 "Description": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 },
 "com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
 },
 "com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#ReportType": {

```

```

 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportType"
 }
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 },
 "com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
 },
 "com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {

```



```

 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_INSTANCE"
 }
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
 }
}

```

```

},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
},
"com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
},
"com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
},
"com.amazonaws.licensemanager#StatusReasonMessage": {

```

```

 "type": "string",
 "traits":
 {
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\s\S]+$"
 }
},
"com.amazonaws.licensemanager#String": {
 "type": "string"
},
"com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#Tag": {
 "type": "structure",
 "members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",

```

```

 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
 },
 "com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits":
{
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a token.</p>"
 },
 "com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 }

```

```

 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license
configuration.</p>"
 }
 },

```

```

"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\nconfiguration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {

```

```

 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits": {
 {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"

```

```

 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
 },
 "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
 {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {

```

```

 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n
 \n
 \n
 <p>License configuration report - Reports the number and details of consumed licenses for a license
 configuration.</p>\n
 \n
 \n
 <p>Resource report - Reports the tracked licenses and
 resource consumption for a license configuration.</p>\n
 \n
 ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
 idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 }
},
"traits": {

```

```

 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 }
}

```

```

 }
 },

 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services
resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 },
 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },

 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },

 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [

```

```

{
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
},
{
 "target": "com.amazonaws.licensemanager#AuthorizationException"
},
{
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
},
{
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
},
"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
},
"com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}

```

## 1.104 [github.com/aws/aws-sdk-go-v2/service/dynamodb](https://github.com/aws/aws-sdk-go-v2/service/dynamodb) 1.32.8



## 1.104.1 Available under license :

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Checks out the specified license.
```

```
//
```

```
// If the account that created the license is the same that is performing the
```

```
// check out, you must specify the account as the beneficiary.
```

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckoutLicenseInput struct {
```

```
 //
```

```
 Checkout type.
```

```
 //
```

```
 // This member is required.
```

```
 CheckoutType types.CheckoutType
```

```
 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
```

```
 //
```

```
 // This member is required.
```

```
 ClientToken *string
```

```

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

```

```

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
}

```

```

if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {

```

```

 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
 name: License Scan
 runs-on: ubuntu-latest
 strategy:
 matrix:
 python-version: [3.9]

 steps:
 - name: Checkout target
 uses: actions/checkout@v2
 with:
 path: sdkbase
 ref: ${{ github.base_ref }}
 - name: Checkout this ref
 uses: actions/checkout@v2
 with:
 path: new-ref

```

```

 fetch-depth: 0
- name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${ github.event.pull_request.base.sha }}
${ github.sha }} > refDiffFiles.txt
- name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
- name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${ matrix.python-version }}
 uses: actions/setup-python@v2
 with:
 python-version: ${ matrix.python-version }}
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

```

package grafana

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

// Removes the Grafana Enterprise license from a workspace.

```

func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }
}

```

```

}

result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*DisassociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)

```

```

if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```



```

if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
}

```

```

return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DisassociateLicense",
}
}
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Directory",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 }
 },
 "ActiveDirectorySettings":
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\t\taddresses, and the credential provider for user administration.</p>"
 }
 },
 "ActiveDirectoryType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType",
 "traits": {
 "smithy.api#documentation": "<p>The type of Active Directory either a self-managed Active

```

```

Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about an Active Directory identity
provider.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings": {
 "type": "structure",
 "members": {
 "DomainName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
 }
 },
 "DomainIpv4List": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Ipv4List",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active
Directory.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 2
 }
 }
 },
 "DomainCredentialsProvider": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that
contains \n\t\t\tinformation about the credential provider for user administration.</p>"
 }
 },
 "DomainNetworkSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an
array of \n\t\t\tsubnets that apply for the Active Directory.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network access and credential details that are needed for
\n\t\t\tuser administration in the Active Directory.</p>"
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "SELF_MANAGED",
 "value": "SELF_MANAGED",
 "documentation": "SELF_MANAGED type of Active Directory"
 },
 {
 "name": "AWS_MANAGED",
 "value": "AWS_MANAGED",
 "documentation": "AWS_MANAGED type of Active Directory"
 }
]
 }
},
 "com.amazonaws.licenseanagerusersubscriptions#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUser":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
]
}

```



```

 "smithy.api#documentation": "<p>The identity provider for the user.</p>",
 "smithy.api#required": {}
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to associate.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the user association.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ConflictException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 },

```

```

 "traits": {
 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n\t\t\t\tresource.</p>",
 "smithy.api#error": "server"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpoint": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpointRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpointResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a network endpoint for the Remote Desktop Services (RDS)
license server.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/CreateLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
 }
 }
}

```





```

 "smithy.api#documentation": "<p>The ARN of the <code>LicenseServerEndpoint</code>
resource.</p>"
 }
}
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
 "type": "union",
 "members": {
 "SecretsManagerCredentialsProvider":
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Identifies the Secrets Manager secret that contains credentials
needed for \n\t\t\tuser administration in the Active Directory.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains information about the credential provider for user
\n\t\t\tadministration.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {

```

```

 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
}

],
"traits": {
 "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/DeleteLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoint": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpoint",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License
Manager user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 }
 }
}

```

```

 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Directory":
 {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,

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 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest":
{
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to disassociate.</p>"
 }
 }
 },
 "traits": {

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 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory domain.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 }
 },
 "Operation": {

```

```
"target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation":
"<p>Value of the filter.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results from a describe\n\t\t\t\t\tor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\t\t\tand other details about a specific Active Directory identity provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information
```



```

about \n\t\t\tan identity provider.</p>",
 "smithy.api#required": {}
 },
 "Settings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the
registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC
endpoints.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",

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 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {

```



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 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user information for the product subscription.</p>"
 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based subscriptions.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",

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```

 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IPv4": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(?:25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IPv4List": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IPv4"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 }
],

```

```

{
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",

```

```

 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to utilize licensed software with\n\\n\\t\\ta per user subscription fee on Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn":
"AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 }
}

```

```

 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],

 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {

```



```

 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},

 "headers": {}
 },
 "type": "endpoint"
 },
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv":
[
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },

```

```

 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",

"argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
},
{
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
}
]

```

```

 }
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

 "type": "tree"
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
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]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",

```

```

 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 },
 true
]
}
],
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
}
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
},
],
"rules": [

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```

{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},

```

```

 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {

```

```

 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 },

```

```

 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack":
false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {

```



```

 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",

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 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },

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 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {

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 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint":
"https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,

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 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
}
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
 "type": "structure",
 "members": {
 "ProvisioningStatus": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS
\n\t\t\t\t\tlicense server.</p>"
 }
 },
 "HealthStatus": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
 "traits": {
 "smithy.api#documentation": "<p>The health status of the RDS license server.</p>"
 }
 },
 "Ipv4Address": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the RDS
\n\t\t\t\t\tlicense server.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a Remote Desktop Services (RDS) license
server.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
 "type": "structure",
 "members": {

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 "IdentityProviderArn": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider that's
associated with \n\t\t\tthe RDS license server endpoint.</p>"
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>"
 }
 },
 "ServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
 "traits": {
 "smithy.api#documentation":
"<p>The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server
endpoint.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The message associated with the provisioning status, if there is
one.</p>"
 }
 },
 "LicenseServerEndpointId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation":
"<p>The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server.</p>"
 }
 },
 "LicenseServerEndpointProvisioningStatus": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint</p>"
 }
 }
 }

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 },
 "LicenseServers": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
 "traits": {
 "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
 }
 },
 "CreationTime": {
 "target": "smithy.api#Timestamp",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
 "type": "string"
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
 "type": "string",
 "traits":
 {
 "smithy.api#enum": [
 {
 "name": "PROVISIONING",
 "value": "PROVISIONING",
 "documentation": ""
 },
 {
 "name": "PROVISIONING_FAILED",
 "value": "PROVISIONING_FAILED",
 "documentation": ""
 },
 {
 "name": "PROVISIONED",

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 "value": "PROVISIONED",
 "documentation": ""
 },
 {
 "name": "DELETING",
 "value": "DELETING",
 "documentation": ""
 },
 {
 "name": "DELETION_FAILED",
 "value": "DELETION_FAILED",
 "documentation": ""
 },
 {
 "name": "DELETED",
 "value": "DELETED",
 "documentation": ""
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "HEALTHY",
 "value": "HEALTHY",
 "documentation": ""
 },
 {
 "name": "UNHEALTHY",
 "value": "UNHEALTHY",
 "documentation": ""
 },
 {
 "name": "NOT_APPLICABLE",
 "value": "NOT_APPLICABLE",
 "documentation": ""
 }
]
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
 }
}

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 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
 "type": "structure",
 "members": {
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 }
]
 }
 }
}

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 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },

 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Product</p>\n \n \n <p>DirectoryId</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken

```



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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
 }
}

```



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 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/ListLicenseServerEndpoints"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "LicenseServerEndpoints"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>",
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 }
 }
}

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 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>IdentityProviderArn</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "\n\tfrom a previously truncated response.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoints": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpointList",
 "traits": {
 "smithy.api#documentation": "\n\t\t\t\tAn array of <code>LicenseServerEndpoint</code> resources that
\n\t\t\t\tcontain detailed information about the RDS License Servers that meet \n\t\t\t\tthe request criteria.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "\n\t\tThe next token used for paginated responses. When this field isn't
empty, \n\t\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type":

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"structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>Username</p>\n
\n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {

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```

 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to
retrieve additional objects.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
]
 },
 "traits": {
 "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{ResourceArn}"
 }
 }
 }

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 },
 "smithy.api#readonly": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 }
],

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 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits":
{
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required":
 {}
 }
 },
 "IdentityProvider": {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline
results:</p>\n \n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 }
}

```

```

 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits":
{
 "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The status of a product for this user.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
 }
 },
 "StatusMessage": {

```

```

 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory
that contains the user information for the product subscription.</p>"
 }
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
 },
 "com.amazonaws.licenseanageruserssubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanageruserssubscriptions#ProductUserSummary"
 }
 },
 "com.amazonaws.licenseanageruserssubscriptions#RdsSalSettings": {
 "type": "structure",
 "members": {
 "RdsSalCredentialsProvider": {
 "target": "com.amazonaws.licenseanageruserssubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

```

```

 "traits": {
 "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {

```



```

 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
register.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "\n\t\t\tThe registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",

```

```

 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#output": {}
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
},
"com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider":
{
 "type": "structure",
 "members": {
 "SecretId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
 "smithy.api#length": {
 "min": 1
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#SecurityGroup": {

```









```

 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#output": {}
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,

```





```

"com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResource": {

```

```

"type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want to tag.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }

```

```

 },
 "traits":
 {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Tags": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest"
 },

```

```

"output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes
tags from a resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse": {

```

```

 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 },
 },

 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates additional product configuration settings for the registered identity\n\t\t\t\tprovider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/UpdateIdentityProviderSettings"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider"
 },
 "Product": {

```



```
"members": {
 "AddSubnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
for products that\n\t\t\trequire connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in\n\t\t\tyour VPC and the VPC endpoints for activation servers.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>Updates the registered identity providers product related configuration settings such as\n\t\t\tthe subnets to
provision VPC endpoints.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
}
}
```

// Code generated by smithy-go-codegen DO NOT EDIT.

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //
 // - ProductSKU
 //
 // - Fingerprint
 //
 // - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.
 LicenseArns []string

 // Maximum number of results to return in a single call.
 MaxResults *int32

```



```

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListLicensesOutput struct {

// License details.
Licenses []types.License

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if err = addComputeContentLength(stack); err != nil {
return err
}

```

```

}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
}

```

```

if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil
{
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {

```

```

if params == nil {
 params = &CreateLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*CreateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.
 //

```

```

// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {

```

```

if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if
err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}

```

```

}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack);
err != nil {
 return err
}

```

```

 }
 if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
 }
 return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
 }
}

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

 // License consumption token.
 //

```



```

// This member is required.
LicenseConsumptionToken *string

// License beneficiary.
Beneficiary *string

noSmithyDocumentSerde
}

type
CheckInLicenseOutput struct {
// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if
err = addComputeContentLength(stack); err != nil {
return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
return err
}

```

```

}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
}

```

```

if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}

ListLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent

```

AddTimeOffsetMiddleware  
 RecursionDetection  
 spanBuildRequestEnd  
 Finalize stack step  
 ResolveAuthScheme  
 GetIdentity  
 ResolveEndpointV2  
 disableHTTPS  
 ComputePayloadHash  
 spanRetryLoop  
 Retry  
 RetryMetricsHeader  
 setLegacyContextSigningOptions  
 Signing  
 Deserialize stack step  
 AddRawResponseToMetadata  
 ErrorCloseResponseBody  
 CloseResponseBody  
 ResponseErrorWrapper  
 RequestIDRetriever  
 OperationDeserializer  
 AddTimeOffsetMiddleware  
 RecordResponseTiming  
 RequestResponseLogger  
 // Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

```

```

}

out := result.(*GetLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}

```

```

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);

```

```

err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}

```

CheckoutLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
DisassociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation



spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step

```

ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```
package licenssemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licenssemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```
// Checks out the specified license for offline use.
```

```

func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }

```

```

result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,

```

```

c.addOperationCheckoutBorrowLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*CheckoutBorrowLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 // the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

```

```

// Information about constraints.
CheckoutMetadata []types.Metadata

// Allowed license entitlements.
EntitlementsAllowed
[]types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
if err != nil {
return
err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}
}

```

```

}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
}

```

```

if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
}
}

```

}  
CheckInLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AWS SDK for Go  
Copyright 2015 Amazon.com, Inc. or its affiliates. All Rights Reserved.  
Copyright 2014-2015 Stripe, Inc.  
ListReceivedLicenses  
Initialize stack step  
spanInitializeStart

```

RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"

```



)

// Deletes the specified license.

```
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

type DeleteLicenseInput struct {

// Amazon Resource Name (ARN) of the license.

//

// This member is required.

LicenseArn \*string

// Current version of the license.

//

// This member is required.

SourceVersion

\*string

noSmithyDocumentSerde

}

type DeleteLicenseOutput struct {

// Date when the license is deleted.

DeletionDate \*string

// License status.

Status types.LicenseDeletionStatus

// Metadata pertaining to the operation's result.

ResultMetadata middleware.Metadata

noSmithyDocumentSerde

```

}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err !=
 nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }

```

```

}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
}

```

```

if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if
err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
}
}
CreateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing

```

```

Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",

```

```

 "uri": "/subscription/DeregisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type":
 "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetRegisteredSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 },

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation":
"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the third-party access
secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the Linux subscription provider access token from the
last \n\t\t\tsuccessful subscription data request.</p>"
 }
 },
 },
 },

```



```

 "SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The detailed message from your subscription provider token
status.</p>"
 }
 },
 "LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time License Manager retrieved
subscription details \n\t\t\t\t\tfrom your registered third-party Linux subscription provider.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions service settings for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetServiceSettings"
 },
 "smithy.api#idempotent": {}
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists
the settings defined for Linux subscriptions discovery. The settings include if Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",

```

```

"members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 },

```

```

"ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see Usage\\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
},
"LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery updated the instance details.</p>"
 }
},
"SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
 }
},
"OsVersion": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The operating system software version that runs on your instance.</p>"
 }
},
"SubscriptionProviderCreateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when you registered the third-party Linux subscription \\n\\t\\tprovider for the subscription that the instance uses.</p>"
 }
},
"SubscriptionProviderUpdateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the registered \\n\\t\\tthird-party Linux subscription provider.</p>"
 }
},
"DualSubscription": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for \\n\\t\\tthe same software on your instance.</p>"
 }
}

```



```

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 }
}

```

```

 },
 "smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager Linux Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
]
 },
],

```

```

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 },
 {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
 }
]
 },
 {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

```



```

 "type": "tree"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 {

```

```

 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],

"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
]
 },
 "supportsDualStack"
]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
"rules": [
 {

```

```

 "conditions": [],

 "rules": [

 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

 "type": "tree"
},
 "type": "tree"
},
{
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
}
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [
 {

```

```

 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 },
 true
]
 },
],
 "rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 },
 "properties": {},
 "headers": {}
 },
 {
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "error": "FIPS is enabled
but this partition does not support FIPS",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [

```

```

 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 },
 {
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 }
],
 "rules": [
 {
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
]
 }
]
}

```

```

 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {

```

```

 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},

```



```

{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },

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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack

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enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS":
false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

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{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
},

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 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {

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 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation":
"<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 }
]
}

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 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>.</p>\n <p>For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results:</p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>DualSubscription</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>For each filter, you can use one of the following <code>Operator</code>"
 }
 }
 }
}

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values to \n \t\tdefine the behavior of the filter:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n \n }\n },\n "MaxResults": {\n "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",\n "traits": {\n "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"\n }\n },\n "NextToken": {\n "target": "smithy.api#String",\n "traits": {\n "smithy.api#documentation": "<p>A token to specify where to\nstart paginating. This \n\tis the nextToken from a previously truncated response.</p>",\n "smithy.api#length": {\n "min": 1,\n "max": 16384\n }\n }\n },\n "traits": {\n "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if\nparameters in request increases."\n }\n},\n"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {\n "type": "structure",\n "members": {\n "Instances": {\n "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",\n "traits": {\n "smithy.api#documentation": "<p>An array that contains instance objects.</p>"\n }\n },\n "NextToken": {\n\n "target": "smithy.api#String",\n "traits": {\n "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield\nisn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the\nnext request to retrieve \n\tadditional objects.</p>"\n }\n }\n }\n}

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 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\nOrganizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 }
 }
 },
 "items": "Subscriptions"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n<code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't

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match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The
valid Operators for this filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
 }
 }
 }
}

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 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
 "type": "operation",
 "input": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListRegisteredSubscriptionProviders"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "RegisteredSubscriptionProviders"
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSources": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",

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 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "tags": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [

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 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/RegisterSubscriptionProvider"
 }
 },
 "smithy.api#idempotent": {}
}

```





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 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
 }
 }
 },

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"SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
 }
},
"LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"
 }
}

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
 }
 }

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {

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"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",

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 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "tagKeys": {

```





```

 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target": "smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
}
}
}

```

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID

ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger

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```
package grafana
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
```

```
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html
```

```
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
```

```
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type AssociateLicenseInput struct {
```

```
 // The type of license to associate with the workspace.
 //
```

```

// Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
// trials.
//
// This member is required.
LicenseType types.LicenseType

// The ID of the workspace to associate the license with.
//
// This member is required.
WorkspaceId *string

// A token from Grafana Labs that ties your Amazon Web Services account with a
// Grafana Labs account. For more information, see [Link your account with Grafana Labs].
//
// [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
Grafana-Enterprise.html#AMG-workspace-register-enterprise
GrafanaToken *string

noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

// A structure containing data about the workspace.
//
// This member is required.
Workspace *types.WorkspaceDescription

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {

```

```

return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,

```



```

c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,

```

```
ServiceID: ServiceID,
OperationName: "AssociateLicense",
}
}
```

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```
package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Lists received licenses.
```

```
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }
}
```

```
result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
if err != nil {
 return nil, err
}
```

```

out := result.(*ListReceivedLicensesOutput)
out.ResultMetadata = metadata
return out, nil
}

```

```

type ListReceivedLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Status

```

```

 //

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - IssuerName

```

```

 //

```

```

 // - Beneficiary

```

```

 Filters []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListReceivedLicensesOutput struct {

```

```

 // Received license details.

```

```

 Licenses []types.GrantedLicense

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 // Metadata pertaining to the operation's result.

```

```

 ResultMetadata middleware.Metadata

```

```

 noSmithyDocumentSerde

```

```

}

```

```

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err

```

```

error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }
 if err =

```



```

addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {

```

```

return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
DeleteLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody

```

```

ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
 },
 "shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },
 {
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 "endpointPrefix": "license-manager"
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 "aws.protocols#awsJson1_1": {},
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 "smithy.api#xmlNamespace": {
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 "type": "String"
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 "required": true,
 "default": false,
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 "type": "Boolean"
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```

```

 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 }
},
"params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
}
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },

 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

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 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 },
 "com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {

```

```

 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ServiceAccessDenied",
 "httpResponseCode": 401
 },
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
 }
 },
 "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
}
},
"com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",

```

```

 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:/+=,@.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
}

```



```

 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},

"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
},

"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",

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 "smithy.api#required": {}
 }
}

},
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
},
 "com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
 },
 "com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
}

```

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 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must

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use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {

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"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
},
"EntitlementsAllowed":
{
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
},
"NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
},
"SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
},
"IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
},
"Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
},
"CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 },

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 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
 }
 },
 "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
 }
}

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```

 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,

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 "max": 36
 }
}
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 }
}

```

```

 },

 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {

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```

 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

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 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p>\n \n \n <p>An Amazon Web Services account, which includes only the account specified.</p>\n \n \n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n \n <p>An organization, which will include all accounts across your organization.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

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 "smithy.api#documentation": "<p>Grant ARN.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 }
 }
 },
 "smithy.api#required": {}
},
"GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},

```



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 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
}

```

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 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code>\n </p>\n \n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

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 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n \n \n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n
",
 "smithy.api#required": {}
 }
 }
},
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 }
}

```



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 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 }
}

```

```

 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {

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 "smithy.api#documentation": "<p>License status.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-

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UTC format.</p>",
 "smithy.api#required": {}
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
}

```

```

 },
 "traits": {

"smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":
 }
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
],
 },

```

```

 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token.\n License Manager does not check whether the roles are in use.</p>"
 }
 },
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {

```



```

 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\nto the amr claim of the JWT token.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
 },
 "com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",

```

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 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
},

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":

```

```

{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 }
]
}

```

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action
deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required":
 {}
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",

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```

 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {

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```

"smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
}
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },
 "KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
 },
 "MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
 },

```

```

 "GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
 },
 "TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
 },
 "com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
 },
 "com.amazonaws.licensemanager#EntitlementNotAllowedException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 }
 }
 }

```

```

 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS":
 {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 }
}

```



```

 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {

 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":

```

```

"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},

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```

"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},

"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},

"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {

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```

 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {

```

```

 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},

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```

"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},
"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only
specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter
name and value pair that is used to return more specific results from a\n describe operation. Filters can be used
to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },

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"output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```



```

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {

```

```

 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 },
 "com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 },
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",

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 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 },

```

```

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 }
 },
 "ResourceArn": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was

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completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},

```

```

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required":
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

```

```

 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
 },
 "com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 }
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 }
}

```

```

 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
 {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(-(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$)"
 }
 }

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 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 }
},
"Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
},
"Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
}
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {

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```

 "smithy.api#enumValue": "CONTAINS"
 }
}
},
"com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
},
"com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

```

```

algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 }
 },

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 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {

```



```

 "smithy.api#documentation": "<p>License
creation time.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 }
 },

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"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
},
"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
}

```

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 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

"smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
{
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
}
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 }
 },

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"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\n \n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\n conversion task.</p>"
 }
 }
 },
 "SourceLicenseContext": {

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 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 }
},
"traits": {

```

```

 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\lct-[a-zA-Z0-9]*$"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":
 {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
 },
 "com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {

```



```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 }
 }
}

```

```

"MetadataList": {

 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
},
"com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },

 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
 }

```

```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
 }
 }
}

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```



```

 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },

 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 }
 }
 }
}

```

```

 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are
 <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {

```

```

 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits":
 {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {

```

```

"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
},
"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {

```

```

 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 }
 },

```

```

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {

```



```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },

```



```

"errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",

```

```

 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type

```

(`EC2_INSTANCE` | `EC2_HOST` | `EC2_AMI` | `SYSTEMS_MANAGER_MANAGED_INSTANCE`). \n Logical operators are `EQUALS` | `NOT_EQUALS`.

`resourceAccount` - The ID of the account that owns the resource. \n Logical operators are `EQUALS` | `NOT_EQUALS`.

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 }
 }
 }
}

```

```

 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",

```

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 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 },

 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 },
 "com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
 },
 "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n

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 \n \n <p>As a grantor, you can optionally specify an\n
 <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n
 account in your organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
 grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
 when you\n are activating the grant.</p>\n \n\n<dl>\n<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
 without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
 grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
 grant.</p>\n </dd>\n</dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
 such as activation\n override behavior. For more information, see Granted licenses in
 License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>.</p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license

```



```

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
 <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
\n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationList": {

```

```

 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
 },
 "com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
 },
 "com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 }
 },
 "ReceivedStatusReason": {

```

```

 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "FAILED_WORKFLOW"
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {

```

```

 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",

```

```

"members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 }
},

```

```

"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",
 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 }
 }
 }
 }

```

```

 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 }
 }
 }
}

```



```

 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
 },
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },

```

```

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
"com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {

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```

 "target": "com.amazonaws.licensemanager#ReportType"
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 }
 }
}

```

```

},
"com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "EC2_INSTANCE"
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
 },
 "com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
 }
 },
 "com.amazonaws.licensemanager#String": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#Tag": {

```

```

"type": "structure",
"members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
},
"com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

```

```

 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {

```



```

"TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
},
"TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
},
"traits": {

```

```

 "smithy.api#documentation": "<p>Describes a token.</p>"
 },
 "com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
 },
 "com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
 "com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",

```

```

"input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {

```

```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
configuration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],

```

```

{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n
<p>Resource report - Reports the tracked licenses and
resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [

```



```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 }
 }
 },

```

```

 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
 },
 },

```

```

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {

```

```

 "min": 0,
 "max": 50
 }
}
},
"com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}
}

```

# 1.105 redis-go-redis 9.5.3

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# 1.106 google-golang-org-genproto-googleapis-api 0.0.0-20240610135401-a8a62080eff3

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# 1.107 go.etcd.io/etcd/api/v3 3.5.14

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## 1.108 [github.com/go-redsync/redsync/v4](https://github.com/go-redsync/redsync/v4)

### 4.13.0

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## 1.109 [github.com/aws/aws-sdk-go-v2/feature/dynamodb/attributevalue](https://github.com/aws/aws-sdk-go-v2/feature/dynamodb/attributevalue) 1.14.1

## 1.109.1 Available under license :

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Checks out the specified license.
```

```
//
```

```
// If the account that created the license is the same that is performing the
```

```
// check out, you must specify the account as the beneficiary.
```

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{
 }
}
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckoutLicenseInput struct {
```

```
 //
```

```
 Checkout type.
```

```
 //
```

```
 // This member is required.
```

```
 CheckoutType types.CheckoutType
```

```
 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
```

```
 //
```

```
 // This member is required.
```

```
 ClientToken *string
```

```

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

```



```

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
}

```

```

if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {

```

```

 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
 name: License Scan
 runs-on: ubuntu-latest
 strategy:
 matrix:
 python-version: [3.9]

 steps:
 - name: Checkout target
 uses: actions/checkout@v2
 with:
 path: sdkbase
 ref: ${{ github.base_ref }}
 - name: Checkout this ref
 uses: actions/checkout@v2
 with:
 path: new-ref

```

```

 fetch-depth: 0
- name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${{ github.event.pull_request.base.sha }}
${{ github.sha }} > refDiffFiles.txt
- name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt -> targetFiles.txt
- name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${{ matrix.python-version }}
 uses: actions/setup-python@v2
 with:
 python-version: ${{ matrix.python-version }}
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

```

package grafana

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

// Removes the Grafana Enterprise license from a workspace.

```

func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }
}

```

```

}

result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*DisassociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 // The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)

```

```

if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}

```

```

if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
}

```

```

return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DisassociateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //

```



```

// - ProductSKU
//
// - Fingerprint
//
// - Status
Filters
[]types.Filter

// Amazon Resource Names (ARNs) of the licenses.
LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListLicensesOutput struct {

// License details.
Licenses []types.License

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack,

```

```

options, "ListLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {

```

```

 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil
{
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
}
}

```

```

{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
 "type": "structure",
 "members": {
 "DirectoryId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Directory",
 "traits": {
 "smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
 }
 },
 "ActiveDirectorySettings": {
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains details about the Active Directory, including network access details such as domain name and IP addresses, and the credential provider for user administration.</p>"
 }
 },
 "ActiveDirectoryType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType",
 "traits": {
 "smithy.api#documentation": "<p>The type of Active Directory either a self-managed Active Directory or an Amazon Web Services Managed Active Directory.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about an Active Directory identity provider.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings": {
 "type": "structure",

```

```

"members": {
 "DomainName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
 }
 },
 "DomainIpv4List": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IpV4List",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active Directory.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 2
 }
 }
 },
 "DomainCredentialsProvider": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that contains information about the credential provider for user administration.</p>"
 }
 },
 "DomainNetworkSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an array of subnets that apply for the Active Directory.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network access and credential details that are needed for user administration in the Active Directory.</p>"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryType":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "SELF_MANAGED",
 "value": "SELF_MANAGED",
 "documentation": "SELF_MANAGED type of Active Directory"
 }
]
 }
}

```

```

 },
 {
 "name": "AWS_MANAGED",
 "value": "AWS_MANAGED",
 "documentation": "AWS_MANAGED type of Active Directory"
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-zA-Z0-9-\\.]{1,510}/[a-zA-Z0-9-\\.]{1,510}$"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#AssociateUser":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],

```









```

 "smithy.api#required": {}
 },
 "LicenseServerSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The \n\t\t\tsettings include the type of license server and the Secrets Manager secret that \n\t\t\ttenables
administrators to add or remove users associated with the \n\t\t\t\tlicense server.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The ARN of the <code>LicenseServerEndpoint</code>
resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#CredentialsProvider": {
 "type": "union",

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```
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#SecretsManagerCredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Identifies the Secrets Manager secret that contains credentials needed for \n\t\t\t\t user administration in the Active Directory.</p>"
 }
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest",
 "traits": {
 "smithy.api#documentation": "<p>Contains information about the credential provider for user\n\t\t\t\tadministration.</p>"
 }
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse",
 "traits": {}
}
],
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException",
 "traits": {}
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException",
 "traits": {}
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException",
 "traits": {}
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException",
 "traits": {}
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException",
 "traits": {}
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException",
 "traits": {}
},
{
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException",
 "traits": {}
}
]
```

```

 "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/DeleteLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\tresource to delete.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint",
 "traits": {
 "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider": {

```

```

 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License Manager user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {

```

```

 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Directory":
{
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^([sd])-([0-9a-f]){10}$"
 }
}

```

```

 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserRequest":
 {
 "type": "structure",
 "members": {
 "Username": {

```

```

 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to disassociate.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```



```

 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory domain.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
 }
 },
 "Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
 },
 "Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation":
"<p>Value of the filter.</p>"
 }
 }
 }
}

```

```
}
},
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results from a describe\n\t\t\t\tfor list operation. You can use filters can be used to match a set of resources by specific \n\t\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
 }
},
 "com.amazonaws.licensemanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
 }
},
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {

 "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource contains settings \n\t\t\t\tand other details about a specific Active Directory identity provider.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
 }
},
 "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information about \n\t\t\t\tan identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {

 "target": "com.amazonaws.licensemanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the registered \n\t\t\t\tidentity providers product related configuration settings, such as the \n\t\t\t\tsubnets to provision VPC endpoints.</p>",
```

```

 "smithy.api#required": {}
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the identity provider.</p>",
 }
 },
 "smithy.api#required": {}
},
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based

```

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subscriptions.</p>",
 "smithy.api#required": {}
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 },
 "Products": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {

 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
about the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
 }
 },

 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
information for the product subscription.</p>"
 }
 }
}

```

```

 }
 },
 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },
 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {

 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#IPv4": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#IPv4List": {
 "type": "list",

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"member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IPv4"
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseManagerUserSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AssociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeleteLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#DisassociateUser"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpoints"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 }
]
}

```

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 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",
 "content-length",
 "x-api-key",
],
 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
 },
 },

```



```

"smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with a per user subscription fee on Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager User Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn":
"AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
]
}

```

```

],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
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 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }

```

```

 },
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
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]
 }
],
 "rules": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
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]
 }
]
 }
]
 }
]
 }
],
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]

```

```

],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
],
 },
],
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 },
],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
}

```

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 }
],
 "type": "tree"
 },
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
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]
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
],
 true
 }
],
 "rules": [

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{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
},
{
 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
}
],
{
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "rules": [
 {
 "conditions": [

{
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
```

```

 "supportsDualStack"
]
}

]

 }
],
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
"type": "tree"
},
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",

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 "type": "error"
 }
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 }
]
}

```



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 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.
1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack":
true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 }
 }

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 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack":
false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

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{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition
does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",

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 "UseFIPS": true,
 "UseDualStack": false
 }
},

{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {

```

```

 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint":
"https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are
not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}

```

[illegible]

```

 "ServerEndpoint": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerEndpoint",
 "traits": {
 "smithy.api#documentation":
"<p>The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server
endpoint.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The message associated with the provisioning status, if there is
one.</p>"
 }
 },
 "LicenseServerEndpointId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpointId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation":
"<p>The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server.</p>"
 }
 },
 "LicenseServerEndpointProvisioningStatus": {
 "target":
"com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint</p>"
 }
 },
 "LicenseServers": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerList",
 "traits": {
 "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
 }
 },
 "CreationTime": {
 "target": "smithy.api#Timestamp",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when License Manager created the license server

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endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop Services (RDS) \n\t\t\t\tlicense server.</p>"
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
 "type": "string"
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
 "type": "string",
 "traits":
{
 "smithy.api#enum": [
 {
 "name": "PROVISIONING",
 "value": "PROVISIONING",
 "documentation": ""
 },
 {
 "name": "PROVISIONING_FAILED",
 "value": "PROVISIONING_FAILED",
 "documentation": ""
 },
 {
 "name": "PROVISIONED",
 "value": "PROVISIONED",
 "documentation": ""
 },
 {
 "name": "DELETING",
 "value": "DELETING",
 "documentation": ""
 },
 {
 "name": "DELETION_FAILED",
 "value": "DELETION_FAILED",
 "documentation": ""
 }
],
```

```

 {
 "name": "DELETED",
 "value": "DELETED",
 "documentation": ""
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "HEALTHY",
 "value": "HEALTHY",
 "documentation": ""
 },
 {
 "name": "UNHEALTHY",
 "value": "UNHEALTHY",
 "documentation": ""
 },
 {
 "name": "NOT_APPLICABLE",
 "value": "NOT_APPLICABLE",
 "documentation": ""
 }
]
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServer"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings": {
 "type": "structure",
 "members": {
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerSettings": {

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```
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",
```

```
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
 "smithy.api#http": {
```

```

 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },

 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Product</p>\n \n \n <p>DirectoryId</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>An array of <code>IdentityProviderSummary</code> resources that
 contain details about the Active Directory identity providers that meet the request criteria.</p>",
 "smithy.api#required": {}
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
 empty, there are additional elements that the service hasn't included in this request. Use this token with the
 next request to retrieve additional objects.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 }
]
 }
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>InstanceId</p>\n \n "
 }
 }
 },
 "traits": {

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 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListInstancesResponse": {
 "type": "structure",
 "members": {
 "InstanceSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>An array of InstanceSummary resources that contain details about the instances that provide user-based subscriptions and also meet the request criteria.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpoints": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 }
]
 }
}

```

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 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/ListLicenseServerEndpoints"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "LicenseServerEndpoints"
 }
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>",
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>IdentityProviderArn</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",

```





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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type":
"structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 }
 }
},
"IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",

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 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Status</p>\n \n \n <p>Username</p>\n
\n \n <p>Domain</p>\n \n"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't

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empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the next request to

retrieve additional objects.</p>"

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 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#readonly": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags you want to retrieve.</p>",
 "smithy.api#httpLabel": {},
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 "smithy.api#required": {}
 }
},
"traits": {

"smithy.api#input": {}
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {

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 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits":
{
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
},
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required":
 {}
 }
 },
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 },

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 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline
results:</p>\n \n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits":

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{
 "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
 "smithy.api#required": {}
},
"Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
},
"IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
},
"Status": {
 "target": "smithy.api#String",

 "traits": {
 "smithy.api#documentation": "<p>The status of a product for this user.</p>",
 "smithy.api#required": {}
 }
},
"ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
 }
},
"StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
 }
},
"Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory
that contains the user information for the product subscription.</p>"
 }
},
"SubscriptionStartDate": {

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 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings": {
 "type": "structure",
 "members": {
 "RdsSalCredentialsProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a
reference to \n\t\t\tthe credentials provider that's used for RDS license server user administration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProvider": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse"
 }
}

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 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider to register.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {

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 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 }
 },
 "smithy.api#required": {}
 }
},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ResourceArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-
\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
 }
}

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 },
 "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecretsManagerCredentialsProvider":
 {
 "type": "structure",
 "members": {
 "SecretId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
 "smithy.api#length": {
 "min": 1
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17})$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ServerEndpoint": {
 "type": "structure",
 "members": {
 "Endpoint": {
 "target": "smithy.api#String",

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 "traits": {
 "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A network endpoint through which you can access one or more
servers.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ServerSettings": {
 "type": "union",
 "members": {
 "RdsSalSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings",
 "traits": {
 "smithy.api#documentation": "The <code>RdsSalSettings</code> resource
contains settings to configure a specific Remote Desktop Services (RDS) license server.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ServerType": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "RDS_SAL",
 "value": "RDS_SAL",
 "documentation": ""
 }
]
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>The request failed because a service quota is exceeded.</p>",
 "smithy.api#error": "client"
 }
}

```





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 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code>
| <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
for whom to start the product \n\t\t\tsubscription.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the product subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#StartProductSubscriptionResponse":
{
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
 }
}

```



```

 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
 }
 }
 }
 },
 },

```



```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{ResourceArn}"
 },

 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Tags": {

```

```

 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes

```

```

tags from a resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse"
 }
}

```



```

identity provider to update.</p>"
 }
 },
 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
 \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
 \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
for products that\n\t\t\t\t\trequire connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",

```



```
"traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
},
"SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688 communication between resources in\n\\n\\t\\tyour VPC and the VPC endpoints for activation servers.</p>"
 }
},
"traits": {
 "smithy.api#documentation":
"<p>Updates the registered identity providers product related configuration settings such as\n\\n\\t\\ttthe subnets to provision VPC endpoints.</p>"
}
},
"com.amazonaws.licenseanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
}
}
```

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Creates a license.
```

```
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
```

```

(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //
 // This member is required.
 HomeRegion *string

 // License issuer.

```

```

//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

```

```

func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {

```

```

 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack);

```

```

err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
}
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CheckInLicenseInput struct {

```

```

// License consumption token.
//
// This member is required.
LicenseConsumptionToken *string

// License beneficiary.
Beneficiary *string

noSmithyDocumentSerde
}

type
CheckInLicenseOutput struct {
// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
if err = addClientRequestID(stack); err != nil {
return err
}
if
err = addComputeContentLength(stack); err != nil {
return err
}
}

```

```

if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {

```



```

 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
ListLicenses
Initialize stack step
 spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
 spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID

```

```

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)

```

```

if err != nil {
 return nil, err
}

out := result.(*GetLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }
}

```

```

}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
}

```

```

if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "GetLicense",
 }
}

```

```
}
CheckoutLicense
Initialize stack step
 spanInitializeStart
 RegisterServiceMetadata
 legacyEndpointContextSetter
 SetLogger
 OperationInputValidation
 spanInitializeEnd
Serialize stack step
 spanBuildRequestStart
 setOperationInput
 ResolveEndpoint
 OperationSerializer
Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
 spanBuildRequestEnd
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 spanRetryLoop
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware
 RecordResponseTiming
 RequestResponseLogger
DisassociateLicense
Initialize stack step
 spanInitializeStart
 RegisterServiceMetadata
 legacyEndpointContextSetter
 SetLogger
```

OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer

```

Build stack step
 ClientRequestID
 ComputeContentLength
 UserAgent
 AddTimeOffsetMiddleware
 RecursionDetection
 spanBuildRequestEnd
Finalize stack step
 ResolveAuthScheme
 GetIdentity
 ResolveEndpointV2
 disableHTTPS
 ComputePayloadHash
 spanRetryLoop
 Retry
 RetryMetricsHeader
 setLegacyContextSigningOptions
 Signing
Deserialize stack step
 AddRawResponseToMetadata
 ErrorCloseResponseBody
 CloseResponseBody
 ResponseErrorWrapper
 RequestIDRetriever
 OperationDeserializer
 AddTimeOffsetMiddleware
 RecordResponseTiming
 RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

```

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Checks out the specified license for offline use.
func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {
 params = &CheckoutBorrowLicenseInput{}
 }
}

```



```

result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*CheckoutBorrowLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

 noSmithyDocumentSerde
}

```

```

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {

```

```

return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}

```

```

}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutBorrowLicense",
}

```

```
}
}
CheckInLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
AWS SDK for Go
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ListReceivedLicenses
Initialize stack step
```

```

spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"

```

```

smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

```

```

noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err !=
 nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {

```



```

return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}
if err = addSpanInitializeStart(stack); err != nil {
return err
}
if err = addSpanInitializeEnd(stack); err != nil {
return err
}

```

```

}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if
err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
}
}
CreateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions

```

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

```
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
```

```

 "method": "POST",
 "uri": "/subscription/DeregisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider resource to deregister.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 }
 },
 "Operator": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type":
"list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetRegisteredSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
 }
 }
}

```





```

 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists
the settings defined for Linux subscriptions discovery. The settings include ifn Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 }
},

```



```

"com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For
more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-
subscriptions-usage-operation.html\">Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 }
 }
}

```

```

 }
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see Usage operation values in the <i>License Manager User Guide</i> .</p>"
 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery updated the instance details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
 }
 },
 "OsVersion": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The operating system software version that runs on your instance.</p>"
 }
 },
 "SubscriptionProviderCreateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when you registered the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses.</p>"
 }
 },
 "SubscriptionProviderUpdateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the registered \n\t\t\tthird-party Linux subscription provider.</p>"
 }
 },
 "DualSubscription": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for

```



```

 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",

```

```

 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running\n Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
 },
 "rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
]
}

```

```

 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
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]
 }
]
 }
],
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
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]
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]
 }
]
},
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
},
{
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}

```

```

 }
],
 "type": "tree"
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],
"type": "tree"
},
{
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 "rules": [
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 "conditions": [
 {
 "fn": "isSet",
 "argv": [
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 "ref": "Region"
 }
]
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 "rules": [
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 "conditions": [
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 "fn": "aws.partition",
 "argv": [
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 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 }
]
 }
]
 }
]
}

```

```

 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],

 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
]
 }
]
 },
 {
 "fn": "supportsFIPS"
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
],

```



```

 "rules": [
 {
 "conditions": [],

"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],

 "type": "tree"
 },
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 },
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 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support
one or both",
 "type": "error"
 }
],
 "type": "tree"
},
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseFIPS"
 },
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]
 }
],
 "rules": [
 {
 "conditions": [
 {

```

```

 "fn": "booleanEquals",
 "argv": [
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 },
 true
]
 },
 "rules": [
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 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
 }
],
 "type": "tree"
},
{
 "conditions": [],
 "error": "FIPS is enabled
but this partition does not support FIPS",
 "type": "error"
}
],
"type": "tree"
},
{

```

```

 "conditions": [
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 "argv": [
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 "ref": "UseDualStack"
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 "rules": [
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 "conditions": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsDualStack"
]
 }
]
 }
]
 },
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 "conditions": [],
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
 }
]
 }

```

```

 "type": "tree"
 }

],
 "type": "tree"
},
{
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
}
],
"type": "tree"
},
{
 "conditions": [],
 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-linux-
subscriptions.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 "type": "tree"
}
],
"type": "tree"
}
],
"type": "tree"
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
],
"type": "tree"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [

```

```

{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 }
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
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{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 }
}

```

```

 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
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 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},

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```

{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
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 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
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 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"
 }
 },

```

```

 "params": {
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 "UseFIPS": false,
 "UseDualStack": true
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 },
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack

```



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enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
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 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS":
false,
 "UseDualStack": false
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 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
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 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},

```

```

{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
},
{
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
},
{
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
},

```

```

 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
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 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {

```

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 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation":
"<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 }
]
}

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 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>.</p>\n <p>For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results:</p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>DualSubscription</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>For each filter, you can use one of the following <code>Operator</code></p>

```

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values to \n \t\tdefine the behavior of the filter:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n \n }\n },\n "MaxResults": {\n "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",\n "traits": {\n "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"\n }\n },\n "NextToken": {\n "target": "smithy.api#String",\n "traits": {\n "smithy.api#documentation": "<p>A token to specify where to\nstart paginating. This \n\tis the nextToken from a previously truncated response.</p>",\n "smithy.api#length": {\n "min": 1,\n "max": 16384\n }\n }\n }\n },\n "traits": {\n "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if\nparameters in request increases."\n }\n },\n "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {\n "type": "structure",\n "members": {\n "Instances": {\n "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",\n "traits": {\n "smithy.api#documentation": "<p>An array that contains instance objects.</p>"\n }\n },\n "NextToken": {\n\n "target": "smithy.api#String",\n "traits": {\n "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield\nisn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the\nnext request to retrieve \n\tadditional objects.</p>"\n }\n }\n }\n }\n}

```

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 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\n Organizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 }
 }
 },
 "items": "Subscriptions"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n <code>Subscription</code> with an optional operator to see subscriptions that match,\n partially match, or don't

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match a certain subscription's name.</p>\n <p>The valid names for this filter are:</p>\n \n
\n <p>\n <code>Subscription</code>\n </p>\n \n \n
<p>The
valid Operators for this filter are:</p>\n \n \n <p>\n <code>contains</code>\n </p>\n \n \n <p>\n <code>equals</code>\n </p>\n \n \n <p>\n <code>Notequal</code>\n </p>\n \n "
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis
the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield
isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the
next request to retrieve \n\tadditional objects.</p>"
 }
 }
 }
}

```



```

 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
 "type": "operation",
 "input": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListRegisteredSubscriptionProviders"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "RegisteredSubscriptionProviders"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSources": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList",

```





```

 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "tags": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
 "type": "string",
 "traits": {
 "smithy.api#enum": [

```

```

 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/RegisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
 }
}

```



```

 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
 }
 }
 },

```

```

"SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
 }
},
"LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
 "smithy.api#error": "client"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"
 }
}

```



```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
 }
 }

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {

```



```

"com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",

```



```

 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "tagKeys": {

```

```

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>A list of metadata tag keys to remove from the requested resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse"
 }
},
"errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Updates the service settings for Linux subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/UpdateServiceSettings"
 },

```

```

 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target":
"smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
 },
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>"
 }
 }
 },
}

```



```

 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
}
}
}

```

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID

```

ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
// Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))
(*AssociateLicenseOutput, error) {

```

```

if params == nil {
 params = &AssociateLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx,
"AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*AssociateLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

```

```

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {

```

```

return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}
if err = addSpanInitializeStart(stack); err != nil {
return err
}

```

```

}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}
}

```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

// Lists received licenses.

```
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }
}
```

```
 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }
}
```

```
 out := result.(*ListReceivedLicensesOutput)
```

```

out.ResultMetadata = metadata
return out, nil
}

```

```

type ListReceivedLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Status

```

```

 //

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - IssuerName

```

```

 //

```

```

 // - Beneficiary

```

```

 Filters []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListReceivedLicensesOutput struct {

```

```

 // Received license details.

```

```

 Licenses []types.GrantedLicense

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 // Metadata pertaining to the operation's result.

```

```

 ResultMetadata middleware.Metadata

```

```

 noSmithyDocumentSerde

```

```

}

```

```

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err
error) {

```

```

if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
if err != nil {
 return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
middleware.After)
if err != nil {
 return err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err =

```

```

addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {

```

```

return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
DeleteLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody

```



```

ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
 },
 "shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckInLicense"
 }
]
 }
 }
}

```

```

{
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},
{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
}

```

```

},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenses"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
}

```

```

},
{
 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
 "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
 "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
 "target": "com.amazonaws.licensemanager#ListTokens"
},
{
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
 "target": "com.amazonaws.licensemanager#TagResource"
},
{
 "target": "com.amazonaws.licensemanager#UntagResource"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{

```

```

 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {

```

```

 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
},
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 },
 {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 }
],
{
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
]
}

```

```

],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",
 "type": "error"
 },
 {
 "conditions": [],
 "endpoint": {
 "url": {
 "ref": "Endpoint"
 },
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
]
},
{
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Region"
 }
]
 }
]
},
"tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "aws.partition",
 "argv": [
 {
 "ref": "Region"
 }
],
 "assign": "PartitionResult"
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",

```

"UseFIPS"

```
 "argv": [
 {
 "ref":

 },
 true
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
]
 }
]
 }
]
 },
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 true
]
 }
]
 }
]
```



```

"supportsDualStack"
]
 }
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 {
 "conditions": [],
 "error": "FIPS and DualStack are enabled, but this partition does not support one or
both",
 "type": "error"
 }
],
{
 "conditions": [
 {
 "fn": "booleanEquals",

 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {

```

```

 "fn": "booleanEquals",
 "argv": [
 true,
],
 },
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 },
 "supportsFIPS"
],
 },
],
"type": "tree",
"rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 },
 {
 "conditions": [],
 "error": "FIPS is enabled but this
partition does not support FIPS",
 "type": "error"
 },
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
],
 }
],
 }
],

```

```

 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 true,
 {
 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
 }
],
 }
],
 }
],
 "supportsDualStack"
 }
],
 "type": "tree",
 "rules": [
 {
 "conditions": [],
 "endpoint": {
 "url": "https://license-
manager.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
 }
],
 {
 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
 }
],
{
 "conditions": [],
 "endpoint": {

```

```

 "url": "https://license-manager.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
}
]
}
]
},
{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
},
"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region af-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.af-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "af-south-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-1 with FIPS disabled and DualStack disabled",

```

```

 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region ap-northeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-northeast-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-northeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
},
{
 "documentation": "For region ap-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-south-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "ap-south-1",
 "UseFIPS": false,

```

```

 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-1.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "ap-southeast-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.ap-southeast-2.amazonaws.com"
 }
 }
},
{
 "params": {
 "Region": "ap-southeast-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ap-southeast-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
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 }
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},
{
 "params": {
 "Region": "ap-southeast-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region ca-central-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {

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 "url": "https://license-manager.ca-central-1.amazonaws.com"
 }
},

"params": {
 "Region": "ca-central-1",
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 "UseDualStack": false
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 "documentation": "For region eu-central-1 with FIPS disabled and DualStack disabled",
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 "params": {
 "Region": "eu-central-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-north-1 with FIPS
disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-north-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region eu-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-south-1.amazonaws.com"
 }
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 "params": {
 "Region":
"eu-south-1",
 "UseFIPS": false,

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 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
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 "url": "https://license-manager.eu-west-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-2.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region eu-west-3 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.eu-west-3.amazonaws.com"
 }
 },
 "params": {
 "Region": "eu-west-3",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region me-south-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {

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 "url": "https://license-manager.me-south-1.amazonaws.com"
 }
},
"params": {
 "Region": "me-south-1",
 "UseFIPS": false,
 "UseDualStack": false
}
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{
 "documentation": "For region sa-east-1 with FIPS disabled and DualStack disabled",
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 "url": "https://license-manager.sa-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "sa-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
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 "url": "https://license-manager.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
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 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
}

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 },
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 "documentation": "For region us-east-2 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-east-2.amazonaws.com"
 }
 }
 },
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 "params": {
 "Region": "us-east-2",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
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 "documentation": "For region us-east-2 with FIPS enabled and DualStack disabled",
 "expect": {
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 }
 }
 },
 {
 "params": {
 "Region": "us-east-2",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
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 "documentation": "For region
us-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-west-1.amazonaws.com"
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 "params": {
 "Region": "us-west-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-west-1.amazonaws.com"
 }
 }
 }
]
}

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 },
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 "UseFIPS": true,
 "UseDualStack": false
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 },
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 "documentation": "For region us-west-2 with FIPS disabled and DualStack disabled",
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 "UseDualStack": false
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 "UseDualStack": false
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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 "expect": {
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 }
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 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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 },
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 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
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 "documentation": "For region cn-northwest-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
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 }
 },
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
 }
 }

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 "params": {
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 "UseDualStack": true
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 }
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 "params": {
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 "UseDualStack": false
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
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 "url": "https://license-manager.cn-north-1.api.amazonwebservices.com.cn"
 }
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 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
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{
 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
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 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
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{

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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region us-gov-west-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-west-1.amazonaws.com"
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 "params": {
 "Region": "us-gov-west-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "UseDualStack": false
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-gov-east-1.api.aws"
 }
 },
 },

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 "UseDualStack": true
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 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {

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 "url": "https://license-manager-fips.us-iso-east-1.c2s.ic.gov"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled
but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager.us-isob-east-1.sc2s.sgov.gov"
 }
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",

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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-isob-east-1.sc2s.sgov.gov"
 }
 },

 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
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 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
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 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",

 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,

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 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error":
"Invalid Configuration: Dualstack and custom endpoint are not supported"
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
},
"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
 },
 "com.amazonaws.licensemanager#AcceptGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {

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 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#AccessDeniedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ServiceAccessDenied",
 "httpResponseCode": 401
 },
 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
 }
 },
 "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
}
},
"com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:/+=,@.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
}

```

```

 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},

"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
},

"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",

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 "smithy.api#required": {}
 }
}

},
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
},
 "com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
 },
 "com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },

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```

"errors": [
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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must

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use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {

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"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
},
"EntitlementsAllowed":
{
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
},
"NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
},
"SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
},
"IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
},
"Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
},
"CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
}

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```

 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 },

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 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
 }
 },
 "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
 }
}

```

```

 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,

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 "max": 36
 }
 },
 "com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
 },
 "com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
 },
 "com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 }
 }
 }

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 },

 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href='\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

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 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p>\n \n \n <p>An Amazon Web Services account, which includes only the account specified.</p>\n \n \n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n \n <p>An organization, which will include all accounts across your organization.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
},

"com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

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 "smithy.api#documentation": "<p>Grant ARN.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
}
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 }
 }
 },
 "smithy.api#required": {}
},
 },
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 },

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 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
}

```



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 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code>\n </p>\n \n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

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 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n \n \n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n
",
 "smithy.api#required": {}
 }
 }
},
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 }
}

```

```

 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 }
}

```



```

 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {

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 "smithy.api#documentation": "<p>License status.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

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```

 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-

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UTC format.</p>",
 "smithy.api#required": {}
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
}

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 },
 "traits": {

"smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":
{}
 }
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
],
 },

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 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token.\n License Manager does not check whether the roles are in use.</p>"
 }
 },
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {

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 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\nto the amr claim of the JWT token.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

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 }
 },
 "com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
 },
 "com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",

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 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
},

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":

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{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 }
]
}

```

```

 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action
deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required":
 {}
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 }
 }
 }
}

```



```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {

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"smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {

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```

 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
}
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {

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```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },
 "KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
 },
 "MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
 },

```

```

 "GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
 },
 "TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
 },
 "com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
 },
 "com.amazonaws.licensemanager#EntitlementNotAllowedException": {
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 }
 }
 }
 }

```

```

 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS":
 {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 }
}

```

```

 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {

 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":

```

```

"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},

```



```

"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},

"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},

"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {

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```

 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {

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```

 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},

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```

"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},
"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },

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"output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```

```

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {

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```

 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [

```



```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 }
 }
 }
}

```

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 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 },
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",

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 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 },

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 }
 },
 "ResourceArn": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was

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completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},

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"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required": true
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": true
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
}

```



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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
 }
}

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],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

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 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

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 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
 },
 "com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 }
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 }
}

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 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
 {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(-(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|0[0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|0[0-1][0-9]):[0-5][0-9])+$)"
 }
 }

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 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "CONTAINS"
 }
 }
 },
 "com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
 },
 "com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

```

```

algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 }
 },

```

```

 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {

```

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 "smithy.api#documentation": "<p>License
creation time.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 }
 },
 },

```

```

"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
},
"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
}

```



```

 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

"smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
 {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
 }
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 }
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\\n conversion task.</p>"
 }
 }
 },
 "SourceLicenseContext": {

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```

 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 }
},
"traits": {

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```

 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\p{Ll}-[a-zA-Z0-9]*$"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
},
 "com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {

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```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 }
 },

```



```

"MetadataList": {

 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
},
"com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },

 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
 }

```

```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license
configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
 }
 }
}

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
}
},
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
"target": "com.amazonaws.licensemanager#AccessDeniedException"
},
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },

 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 }
 }
 }
}

```

```

 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are
 <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {

```

```

 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits":
 {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {

```



```

"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
},
"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {

```

```

 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 }
 },

```

```

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n
 Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

"smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },

```

```

"errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n
 \n
 <p>\n
 <code>LicenseArns</code>\n
 </p>\n
 \n
"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",

```

```

 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type

```

(`EC2_INSTANCE` | `EC2_HOST` | `EC2_AMI` | `SYSTEMS_MANAGER_MANAGED_INSTANCE`). \n Logical operators are `EQUALS` | `NOT_EQUALS`.

`resourceAccount` - The ID of the account that owns the resource. \n Logical operators are `EQUALS` | `NOT_EQUALS`.

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 }
 }
 }
}

```

```

 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 },

 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 },
 "com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
 },
 "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n

```

```

 \n \n <p>As a grantor, you can optionally specify an\n
 <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n
 account in your organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed\n
 grant doesnt specify an\n
 <code>ActivationOverrideBehavior</code>, you can optionally specify one\n
 when you\n
 are activating the grant.</p>\n \n\n<dl>\n<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant\n
 without replacing any member accounts\n
 active grants for the same product.</p>\n </dd>\n<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a\n
 grant and disable other active grants in any\n
 member accounts\n
 for the same product. This action will also replace their\n
 previously activated grants with this activated\n
 grant.</p>\n </dd>\n</dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,\n
 such as activation\n
 override behavior. For more information, see <a\n
 href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-licenses.html\">Granted licenses in\n
 License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
"<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 },
 },
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>. </p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license

```

```

pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
 <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
\n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationList": {

```

```

 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
 },
 "com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
 },
 "com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 }
 },
 "ReceivedStatusReason": {

```



```

 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
 }
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
},
"DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
},
"DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
},
"WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
}
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",

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"members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 }
},

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"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",
 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 }
 }
 }
 }

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 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
 },
 "com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
 },
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },

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```

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
"com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 }
 }
},
"LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
}
},
"com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {

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 "target": "com.amazonaws.licensemanager#ReportType"
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 }
 }
}

```

```

},
"com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "EC2_INSTANCE"
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
}

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```

 }
 },
 "com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
 },
 "com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
 }
 },
 "com.amazonaws.licensemanager#String": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#Tag": {

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```

"type": "structure",
"members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
},
"com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
},
"com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {

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```

"TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
},
"TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
}
},
"traits": {

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```

 "smithy.api#documentation": "<p>Describes a token.</p>"
 }
},
"com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
},
"com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",

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```

"input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {

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```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
configuration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",

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```

 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 }
},
"traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
]
}

```

```

{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n
<p>Resource report - Reports the tracked licenses and
resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 }
 }
 },

```

```

 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
 },

```



```

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {

```

```

 "min": 0,
 "max": 50
 }
}
},
"com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}

```

# 1.110 go.etcd.io/etcd/client/v3 3.5.14

## 1.110.1 Available under license :

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# 1.111 [github.com/aws/aws-sdk-go-v2/internal/configsources](https://github.com/aws/aws-sdk-go-v2/internal/configsources) 1.3.9

## 1.111.1 Available under license :

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

```
// Checks out the specified license.
```

```
//
```

```
// If the account that created the license is the same that is performing the
```

```
// check out, you must specify the account as the beneficiary.
```

```
func (c *Client) CheckoutLicense(ctx context.Context, params *CheckoutLicenseInput, optFns ...func(*Options))
(*CheckoutLicenseOutput, error) {
 if params == nil {
 params = &CheckoutLicenseInput{}
 }
```

```
 result, metadata, err := c.invokeOperation(ctx, "CheckoutLicense", params, optFns,
c.addOperationCheckoutLicenseMiddlewares)
 if err != nil {
 return nil, err
 }
```

```
 out := result.(*CheckoutLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}
```

```
type CheckoutLicenseInput struct {
```

```
//
```

```
Checkout type.
```

```
//
```

```
// This member is required.
```

```
CheckoutType types.CheckoutType
```

```

// Unique, case-sensitive identifier that you provide to ensure the idempotency of
// the request.
//
// This member is required.
ClientToken *string

// License entitlements.
//
// This member is required.
Entitlements []types.EntitlementData

// Key fingerprint identifying the license.
//
// This member is required.
KeyFingerprint *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// License beneficiary.
Beneficiary *string

// Node ID.
NodeId *string

noSmithyDocumentSerde
}

type CheckoutLicenseOutput struct {

// Checkout type.
CheckoutType types.CheckoutType

// Allowed license entitlements.
EntitlementsAllowed []types.EntitlementData

// Date and time at which the license checkout expires.
Expiration *string

// Date and time at which the license checkout is issued.
IssuedAt *string

// Amazon Resource Name (ARN) of the checkout license.
LicenseArn
*string

```



```

// License consumption token.
LicenseConsumptionToken *string

// Node ID.
NodeId *string

// Signed token.
SignedToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {

```

```

return err
}
if err = addRetry(stack, options); err != nil {
return err
}
if err = addRawResponseToMetadata(stack); err != nil {
return err
}
if err = addRecordResponseTiming(stack); err != nil {
return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpCheckoutLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}

```

```

}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckoutLicense",
 }
}
name: License Scan

on: [pull_request]

jobs:
 licensescan:
 name: License Scan
 runs-on: ubuntu-latest
 strategy:
 matrix:
 python-version: [3.9]

 steps:
 - name: Checkout target
 uses: actions/checkout@v2
 with:
 path: sdkbase

```

```

 ref: ${ github.base_ref }
- name: Checkout this ref
 uses: actions/checkout@v2
 with:
 path: new-ref
 fetch-depth: 0
- name: Get Diff
 run: git --git-dir ./new-ref/.git diff --name-only --diff-filter=ACMRT ${ github.event.pull_request.base.sha }
${ github.sha } > refDiffFiles.txt
- name: Get Target Files
 run: git --git-dir ./sdkbase/.git ls-files | grep -xf refDiffFiles.txt - > targetFiles.txt
- name: Checkout scancode
 uses: actions/checkout@v2
 with:
 repository: nexB/scancode-toolkit
 path: scancode-toolkit
 fetch-depth: 1
- name: Set up Python ${ matrix.python-version }
 uses: actions/setup-python@v2
 with:
 python-version: ${ matrix.python-version }
ScanCode
- name: Self-configure scancode
 working-directory: ./scancode-toolkit
 run: ./scancode --help
- name: Run Scan code on target
 run: cat targetFiles.txt | while read filename; do echo ./sdkbase/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> old-licenses.txt
- name: Run Scan code on pr ref
 run: cat refDiffFiles.txt | while read filename; do echo ./new-ref/$filename; done | xargs ./scancode-
toolkit/scancode -l -n 30 --json-pp - | grep short_name | sort | uniq >> new-licenses.txt
compare
- name: License test
 run: if ! cmp old-licenses.txt new-licenses.txt; then echo "Licenses differ! Failing."; exit -1; else echo "Licenses
are the same. Success."; exit 0; fi
// Code generated by smithy-go-codegen DO NOT EDIT.

```

package grafana

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

```

// Removes the Grafana Enterprise license from a workspace.
func (c *Client) DisassociateLicense(ctx context.Context, params *DisassociateLicenseInput, optFns
...func(*Options)) (*DisassociateLicenseOutput, error) {
 if params == nil {
 params = &DisassociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DisassociateLicense", params, optFns,
c.addOperationDisassociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DisassociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DisassociateLicenseInput struct {

 // The type of license to remove from the workspace.
 //
 // This member is required.
 LicenseType types.LicenseType

 //
 The ID of the workspace to remove the Grafana Enterprise license from.
 //
 // This member is required.
 WorkspaceId *string

 noSmithyDocumentSerde
}

type DisassociateLicenseOutput struct {

 // A structure containing information about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationDisassociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err

```

```

error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpDisassociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DisassociateLicense");
 err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }
 if err = addClientUserAgent(stack, options); err != nil {

```

```

return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if
err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpDisassociateLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDisassociateLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}
if err = addSpanInitializeStart(stack); err
!= nil {
return err
}
if err = addSpanInitializeEnd(stack); err != nil {
return err
}
if err = addSpanBuildRequestStart(stack); err != nil {

```

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return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
return err
}
return nil
}

func newServiceMetadataMiddleware_opDisassociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
Region: region,
ServiceID: ServiceID,
OperationName: "DisassociateLicense",
}
}
{
"smithy": "2.0",
"shapes": {
"com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException": {
"type": "structure",
"members": {
"message": {
"target": "smithy.api#String"
}
},
"traits": {
"smithy.api#documentation": "<p>You don't have sufficient access to perform this action.</p>",
"smithy.api#error": "client"
}
},
"com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider": {
"type": "structure",
"members": {
"DirectoryId": {
"target": "com.amazonaws.licensemanagerusersubscriptions#Directory",
"traits": {
"smithy.api#documentation": "<p>The directory ID for an Active Directory identity provider.</p>"
}
},
},
"ActiveDirectorySettings":
{
"target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectorySettings",
"traits": {
"smithy.api#documentation": "<p>The <code>ActiveDirectorySettings</code> resource contains
details about \n\t\tthe Active Directory, including network access details such as domain name and IP
\n\t\taddresses, and the credential provider for user administration.</p>"
}
}
}
}

```



```

 },
 "ActiveDirectoryType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectoryType",
 "traits": {
 "smithy.api#documentation": "<p>The type of Active Directory either a self-managed Active
Directory or an \n\t\t\tAmazon Web Services Managed Active Directory.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about an Active Directory identity
provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ActiveDirectorySettings": {
 "type": "structure",
 "members": {
 "DomainName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name for the Active Directory.</p>"
 }
 },
 "DomainIpv4List": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Ipv4List",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the Active
Directory.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 2
 }
 }
 },
 "DomainCredentialsProvider": {
 "target":
"com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>Points to the <code>CredentialsProvider</code> resource that
contains \n\t\t\tinformation about the credential provider for user administration.</p>"
 }
 },
 "DomainNetworkSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DomainNetworkSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>DomainNetworkSettings</code> resource contains an
array of \n\t\t\tsubnets that apply for the Active Directory.</p>"
 }
 }
 }
 }
 }

```



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 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "

Associates the user to an EC2 instance to utilize user-based subscriptions.

Your estimated bill for charges on the number of users and related costs will take 48 hours to appear for billing periods that haven't closed (marked as Pending billing status) in Amazon Web Services Billing. For more information, see Viewing your monthly charges in the Amazon Web Services Billing User Guide.

",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/AssociateUser"
 },
 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#AssociateUserRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "

The user name from the identity provider.

",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "

The ID of the EC2 instance that provides the user-based subscription.

",
 "smithy.api#required": {}
 }
 }
 }
 }
}

```

```

 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains
information for the user to associate.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the user association.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#AssociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ConflictException": {
 "type": "structure",

```

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"members": {
 "message": {
 "target": "smithy.api#String"
 }
},
"traits": {
 "smithy.api#documentation": "<p>The request couldn't be completed because it conflicted with the current
state of the\n\t\t\tresource.</p>",
 "smithy.api#error": "server"
}
},
"com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpoint": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpointRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpointResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a network endpoint for the Remote Desktop Services (RDS)
license server.</p>",
 "smithy.api#http": {
 "code": 200,

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 "method": "POST",
 "uri": "/license-server/CreateLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>IdentityProvider</code> resource that contains details about a registered identity provider. In the case
of Active Directory, that can be a self-managed Active Directory or an Amazon Web Services Managed
Active Directory that contains user identity details.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseServerSettings": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>LicenseServerSettings</code> resource to create for
the endpoint. The settings include the type of license server and the Secrets Manager secret that enables
administrators to add or remove users associated with the license server.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply for the license server endpoint.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#CreateLicenseServerEndpointResponse":
{
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider
specified in the request.</p>"
 }
 }
 }
}

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 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes a <code>LicenseServerEndpoint</code> resource.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/DeleteLicenseServerEndpoint"
 },
 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpointRequest": {
 "type": "structure",
 "members": {
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the
<code>LicenseServerEndpoint</code> \n\t\t\t\tresource to delete.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of License Server that the delete request refers to.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },

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"com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpointResponse": {
 "type": "structure",
 "members": {
 "LicenseServerEndpoint": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServerEndpoint",
 "traits": {
 "smithy.api#documentation": "<p>Shows details from the <code>LicenseServerEndpoint</code>
resource that was deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Deregisters the Active Directory identity provider from License

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Manager user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/DeregisterIdentityProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderRequest":
{
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the identity
provider to deregister.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#DeregisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary",
 "traits": {

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 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licenseanagerusersubscriptions#Directory":
{
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(d|sd)-[0-9a-f]{10}$"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#DisassociateUser": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
},

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 "traits": {
 "smithy.api#documentation": "<p>Disassociates the user from an EC2 instance providing user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/DisassociateUser"
 },
 "smithy.api#idempotent": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#DisassociateUserRequest":
 {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the Active Directory identity provider for the
user.</p>"
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance which provides user-based
subscriptions.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the Active Directory identity
provider.</p>"
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the user to disassociate
from the EC2 instance.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains

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information for the user to disassociate.</p>"

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 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanagerusersubscriptions#DisassociateUserResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InstanceUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the associate user operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#DomainNetworkSettings": {
 "type": "structure",
 "members": {
 "Subnets": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>Contains a list of subnets that apply for the Active Directory
domain.</p>",
 "smithy.api#length": {
 "min": 1
 },
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains network settings for the Active Directory domain.</p>"
 },
 },
 "com.amazonaws.licensemanagerusersubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Attribute": {
 "target": "smithy.api#String",
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"traits": {
 "smithy.api#documentation": "<p>The name of an attribute to use as a filter.</p>"
},
"Operation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of search (For example, eq, geq, leq)</p>"
 }
},
"Value": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation":
 "<p>Value of the filter.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results
from a describe\n\t\t\tor list operation. You can use filters can be used to match a set of resources by specific
\n\t\t\tcriteria, such as tags, attributes, or IDs.</p>"
}
},
"com.amazonaws.licensemanagerusersubscriptions#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Filter"
 }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProvider": {
 "type": "union",
 "members": {
 "ActiveDirectoryIdentityProvider": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ActiveDirectoryIdentityProvider",
 "traits": {

 "smithy.api#documentation": "<p>The <code>ActiveDirectoryIdentityProvider</code> resource
contains settings \n\t\t\tand other details about a specific Active Directory identity provider.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Refers to an identity provider.</p>"
} }
},
"com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummary": {
 "type": "structure",
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"members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource contains information
about \n\t\t\tan identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {

 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>Settings</code> resource contains details about the
registered \n\t\t\tidentity providers product related configuration settings, such as the \n\t\t\tsubnets to provision VPC
endpoints.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the identity provider.</p>",

"smithy.api#required": {}
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider.</p>"
 }
 },
 "FailureMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The failure message associated with an identity provider.</p>"
 }
 }
},
"traits": {

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 "smithy.api#documentation": "<p>Describes an identity provider.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of an EC2 instance resource.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Products": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>A list of provided user-based subscription products.</p>",
 "smithy.api#required": {}
 }
 },
 "LastStatusCheckDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date of the last status check.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for an EC2 instance.</p>"
 }
 }
 }
},

```



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 "traits": {
 "smithy.api#documentation": "<p>Describes an EC2 instance providing user-based subscriptions.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#InstanceSummaryList": {

"type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceSummary"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance that provides user-based
subscriptions.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {

 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>IdentityProvider</code> resource specifies details
about the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a user associated with an EC2 instance.</p>",
 "smithy.api#required": {}
 }
 },
 "InstanceUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {

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 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) that identifies the instance
user.</p>"
 },

 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for users of an EC2 instance.</p>"
 }
 },

 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory that contains the user
information for the product subscription.</p>"
 }
 },

 "AssociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was associated with an EC2 instance.</p>"
 }
 },

 "DisassociationDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The date a user was disassociated from an EC2 instance.</p>"
 }
 },

 "traits": {
 "smithy.api#documentation": "<p>Describes users of an EC2 instance providing user-based
subscriptions.</p>"
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 "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummary"
 }
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 "com.amazonaws.licenseanagerusersubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
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 }
}

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 "traits": {
 "smithy.api#documentation": "<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
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"com.amazonaws.licenseanagerusersubscriptions#IPv4": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^(?:25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\\.(?!$)|$)){4}$"
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"com.amazonaws.licenseanagerusersubscriptions#IPv4List": {
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 "target": "com.amazonaws.licenseanagerusersubscriptions#IPv4"
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 "type": "service",
 "version": "2018-05-10",
 "operations": [
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 "target": "com.amazonaws.licenseanagerusersubscriptions#AssociateUser"
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 "target": "com.amazonaws.licenseanagerusersubscriptions#CreateLicenseServerEndpoint"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DeleteLicenseServerEndpoint"
 },
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 "target": "com.amazonaws.licenseanagerusersubscriptions#DeregisterIdentityProvider"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#DisassociateUser"
 },
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 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListInstances"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpoints"
 }
]
}

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 },
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 "target": "com.amazonaws.licensemanagerusersubscriptions#ListProductSubscriptions"
 },
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 "target": "com.amazonaws.licensemanagerusersubscriptions#ListTagsForResource"
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 "target": "com.amazonaws.licensemanagerusersubscriptions#ListUserAssociations"
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 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider"
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 "target": "com.amazonaws.licensemanagerusersubscriptions#StartProductSubscription"
 },
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 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription"
 },
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 "target": "com.amazonaws.licensemanagerusersubscriptions#TagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UntagResource"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#UpdateIdentityProviderSettings"
 }
],
 "traits": {
 "aws.api#service": {
 "sdkId": "License Manager User Subscriptions",
 "arnNamespace": "license-manager-user-subscriptions",
 "cloudTrailEventSource": "license-manager-user-subscriptions.amazonaws.com"
 },
 "aws.auth#sigv4": {
 "name": "license-manager-user-subscriptions"
 },
 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
 "*",
 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id",

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 "content-length",
 "x-api-key",

 "authorization",
 "x-amz-date",
 "x-amz-security-token",
 "Access-Control-Allow-Headers",
 "Access-Control-Allow-Methods",
 "Access-Control-Allow-Origin"
],
 "additionalExposedHeaders": [
 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
 "smithy.api#documentation": "<p>With License Manager, you can create user-based subscriptions to
utilize licensed software with\n\t\tta per user subscription fee on Amazon EC2 instances.</p>",
 "smithy.api#title": "AWS License Manager User Subscriptions",
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn":
 "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured
endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {
 "builtIn": "SDK::Endpoint",

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 "required": false,
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 "type": "String"
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 "argv": [
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 "ref": "Endpoint"
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]
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 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseDualStack"
 },
 true
]
 }
],
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported",

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 "type": "error"
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 "ref": "Endpoint"
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 "properties": {},

 "headers": {}
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 "type": "endpoint"
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"type": "tree"
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 "fn": "isSet",
 "argv": [
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 "ref": "Region"
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 "conditions": [
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 "fn": "aws.partition",
 "argv":
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 "ref": "Region"
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 "assign": "PartitionResult"
 }
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 "rules": [
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 "fn": "booleanEquals",
 "argv": [

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 "ref": "UseFIPS"
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsFIPS"
]
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 "argv": [
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 "fn": "getAttr",
 "argv": [
 {
 "ref": "PartitionResult"
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 "supportsDualStack"
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]
}

```



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]
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]

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],
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 "conditions": [],
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 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
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 "type": "endpoint"
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],

 "type": "tree"
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{
 "conditions": [],
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both",
 "type": "error"
}
],
"type": "tree"
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseFIPS"
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 "rules": [
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 "conditions": [
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 "fn": "booleanEquals",

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 "argv": [
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 "argv": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-
fips.{Region}.{PartitionResult#dnsSuffix}",
 "properties": {},
 "headers": {}
 },
 "type": "endpoint"
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 "conditions": [],
 "error": "FIPS is enabled but this partition does not support FIPS",
 "type": "error"
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 "type": "tree"
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 "conditions": [
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 "fn": "booleanEquals",
 "argv": [
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 "ref": "UseDualStack"
 },
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsDualStack"
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 "rules": [
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 "conditions": [],
 "endpoint": {
 "url": "https://license-manager-user-
subscriptions.{Region}.{PartitionResult#dualStackDnsSuffix}",
 "properties": {},
 "headers": {}
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 "type": "tree"
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 "conditions": [],
 "error": "DualStack is enabled but this partition does not support DualStack",
 "type": "error"
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"type": "tree"
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 "properties": {},
 "headers": {}
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 "type": "endpoint"
}
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"type": "tree"
}
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"type": "tree"
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 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
}
]
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"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint":
{
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,

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 "UseDualStack": false
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.api.aws"
 }
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
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 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack":
true
 }
 },
 {
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {

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 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
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 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "expect": {
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 "url": "https://license-manager-user-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack":
false
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},
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,

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 "UseDualStack": true
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url":
"https://license-manager-user-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack":
true
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
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},
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 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition

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does not support one or both"

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 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
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 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
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 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
 {
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 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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 {
 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions-fips.us-isob-east-1.sc2s.sgov.gov"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
 },
 {
 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
 },
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 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-user-subscriptions.us-isob-east-1.sc2s.sgov.gov"
 },
 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 }
 }
 }
}

```

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 },
 {
 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {

 "url": "https://example.com"

 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
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 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
 },
 "params": {
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint":
"https://example.com"
 }
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 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are

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 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
 }
 },
 {
 "documentation": "Missing region",
 "expect": {
 "error": "Invalid Configuration: Missing Region"
 }
 }
],
"version": "1.0"
}
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServer": {
 "type": "structure",
 "members": {
 "ProvisioningStatus": {
 "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS\n\t\t\t\tlicense server.</p>"
 }
 },
 "HealthStatus": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus",
 "traits": {
 "smithy.api#documentation": "<p>The health status of the RDS license server.</p>"
 }
 },
 "Ipv4Address": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A list of domain IPv4 addresses that are used for the RDS\n\t\t\t\tlicense server.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a Remote Desktop Services (RDS) license

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server.</p>
 }
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint": {
 "type": "structure",
 "members": {
 "IdentityProviderArn": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the identity provider that's
associated with \n\t\t\tthe RDS license server endpoint.</p>"
 }
 },
 "ServerType": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>"
 }
 },
 "ServerEndpoint": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServerEndpoint",
 "traits": {
 "smithy.api#documentation":
 "<p>The <code>ServerEndpoint</code> resource contains the network \n\t\t\taddress of the RDS license server
endpoint.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The message associated with the provisioning status, if there is
one.</p>"
 }
 },
 "LicenseServerEndpointId": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license server endpoint.</p>"
 }
 },
 "LicenseServerEndpointArn": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation":
 "<p>The ARN of the <code>ServerEndpoint</code> resource for the RDS \n\t\t\tlicense server.</p>"
 }
 },
 "LicenseServerEndpointProvisioningStatus": {

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 "target":
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus",
 "traits": {
 "smithy.api#documentation": "<p>The current state of the provisioning process for the RDS license
\n\t\t\tserver endpoint</p>"
 }
 },
 "LicenseServers": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerList",
 "traits": {
 "smithy.api#documentation": "<p>An array of <code>LicenseServer</code> resources that represent
the \n\t\t\tlicense servers that are accessed through this endpoint.</p>"
 }
 },
 "CreationTime": {
 "target": "smithy.api#Timestamp",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when License Manager created the license server
endpoint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains details about a network endpoint for a Remote Desktop
Services (RDS) \n\t\t\tlicense server.</p>"
 }
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointId": {
 "type": "string"
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpoint"
 }
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"com.amazonaws.licensemanagerusersubscriptions#LicenseServerEndpointProvisioningStatus": {
 "type": "string",
 "traits":
{
 "smithy.api#enum": [
 {
 "name": "PROVISIONING",
 "value": "PROVISIONING",
 "documentation": ""
 },
 {

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 "name": "PROVISIONING_FAILED",
 "value": "PROVISIONING_FAILED",
 "documentation": ""
 },
 {
 "name": "PROVISIONED",
 "value": "PROVISIONED",
 "documentation": ""
 },
 {
 "name": "DELETING",
 "value": "DELETING",
 "documentation": ""
 },
 {
 "name": "DELETION_FAILED",
 "value": "DELETION_FAILED",
 "documentation": ""
 },
 {
 "name": "DELETED",
 "value": "DELETED",
 "documentation": ""
 }
]
}
},
"com.amazonaws.licensemanagerusersubscriptions#LicenseServerHealthStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "HEALTHY",
 "value": "HEALTHY",
 "documentation": ""
 },
 {
 "name": "UNHEALTHY",
 "value": "UNHEALTHY",
 "documentation": ""
 },
 {
 "name": "NOT_APPLICABLE",
 "value": "NOT_APPLICABLE",
 "documentation": ""
 }
]
 }
}

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 },
 "com.amazonaws.licenseanagerusersubscriptions#LicenseServerList":
 {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#LicenseServer"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#LicenseServerSettings": {
 "type": "structure",
 "members": {
 "ServerType": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerType",
 "traits": {
 "smithy.api#documentation": "<p>The type of license server.</p>",
 "smithy.api#required": {}
 }
 },
 "ServerSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServerSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>ServerSettings</code> resource contains the settings
for your \n\t\t\tserver.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The settings to configure your license server.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProviders": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 }
]
 }

```

```

 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the Active Directory identity providers for user-based
subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/ListIdentityProviders"
 },

 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "IdentityProviderSummaries"
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListIdentityProvidersRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
\n \n <p>Product</p>\n \n \n <p>DirectoryId</p>\n \n "
 }
 }
 }
}

```



```
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListIdentityProvidersResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummaries": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#IdentityProviderSummaryList",
 "traits": {

 "smithy.api#documentation": "<p>An array of <code>IdentityProviderSummary</code> resources that
contain \n\t\t\t\t details about the Active Directory identity providers that meet the request criteria.</p>",
 "smithy.api#required": {}
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstances": {
 "type": "operation",
 "input": {

 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ListInstancesResponse"
 },
```

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"errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the EC2 instances providing user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/instance/ListInstances"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceSummaries"
 }
}
},
"com.amazonaws.licensemanagerusersubscriptions#ListInstancesRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single request.</p>"
 }
 }
 }
}

```



```

 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List the Remote Desktop Services (RDS) License Server endpoints
</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/license-server/ListLicenseServerEndpoints"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "LicenseServerEndpoints"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListLicenseServerEndpointsRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {

```



```

 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptions": {
 "type": "operation",
 "input": {

 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the user-based subscription products available from an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListProductSubscriptions"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "ProductUserSummaries"
 }
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsRequest": {
 "type":
 "structure",
 "members": {
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
 <p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
 <code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
 </p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
 request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline results:</p>\n
 \n \n <p>Status</p>\n \n \n <p>Username</p>\n
 \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
 \n\tfrom a previously truncated response.</p>"
 }
 }
 },
 },

```

```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListProductSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list product subscriptions
operation.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to
retrieve additional objects.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
]
 },
],

```



```

 "traits": {
 "smithy.api#documentation": "<p>Returns the list of tags for the specified resource.</p>",
 "smithy.api#http": {
 "method": "GET",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#readonly": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource whose tags
you want to retrieve.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags for the specified resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse"
 }
}

```

```

 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits":
 {
 "smithy.api#documentation": "<p>Lists user associations for an identity provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/ListUserAssociations"
 },
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "InstanceUserSummaries"
 }
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsRequest": {
 "type": "structure",
 "members": {
 "InstanceId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the EC2 instance, which provides user-based
subscriptions.</p>",

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 "smithy.api#required":
 {}

 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum number of results to return from a single
request.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>You can use the following filters to streamline
results:</p>\n \n \n <p>Status</p>\n \n \n <p>Username</p>\n \n \n <p>Domain</p>\n \n "
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This is the nextToken
\n\tfrom a previously truncated response.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ListUserAssociationsResponse": {
 "type": "structure",
 "members": {
 "InstanceUserSummaries": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InstanceUserSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the list user association operation.</p>"
 }
 }
 },
 "NextToken": {

```

```

 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field isn't
empty, \n\tthere are additional elements that the service hasn't included in this request. Use this token \n\t\twith the
next request to retrieve additional objects.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for this product
user.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>",
 "smithy.api#required": {}
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of a product for this user.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",

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 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for this product user.</p>"
 }
 },
 "StatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for a product for this user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The domain name of the Active Directory
that contains the user information for the product subscription.</p>"
 }
 },
 "SubscriptionStartDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The start date of a subscription.</p>"
 }
 },
 "SubscriptionEndDate": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The end date of a subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A summary of the user-based subscription products for a specific
user.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings": {
 "type": "structure",
 "members": {
 "RdsSalCredentialsProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#CredentialsProvider",
 "traits": {
 "smithy.api#documentation": "<p>The <code>CredentialsProvider</code> resource contains a

```

```

reference to \n\t\tthe credentials provider that's used for RDS license server user administration.</p>",
 "smithy.api#required": {}
 }
},
"traits": {
 "smithy.api#documentation": "<p>Server settings that are specific to a Remote Desktop Services (RDS)
license server.</p>"
}
},
"com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProvider": {
 "type":
"operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#RegisterIdentityProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Registers an identity provider for user-based subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/identity-provider/RegisterIdentityProvider"
 }
 }
}

```

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 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderRequest": {
 "type": "structure",
 "members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An object that specifies details for the identity provider to
register.</p>",
 "smithy.api#required": {}
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>",
 "smithy.api#required": {}
 }
 },
 "Settings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Settings",
 "traits": {
 "smithy.api#documentation": "<p>The registered identity providers product related configuration
\n\t\t\tsettings such as the subnets to provision VPC endpoints.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The tags that apply to the identity provider's registration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#RegisterIdentityProviderResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",

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 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the results of an identity provider
operation.</p>",

 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#ResourceArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,63}):([a-z0-9-\\.]{1,510})/([a-z0-9-\\.]{1,510})$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The resource couldn't be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 404
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecretsManagerCredentialsProvider":
{
 "type": "structure",
 "members": {
 "SecretId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the Secrets Manager secret that contains
credentials.</p>",
 "smithy.api#length": {
 "min": 1
 }
 }
 }
 },
 "traits": {

```



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 "smithy.api#documentation": "<p>Contains a credentials secret that's stored in Secrets Manager.</p>"
 },
 "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 5,
 "max": 200
 },
 "smithy.api#pattern": "^sg-([0-9a-z]{8})([0-9a-z]{17}))$"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ServerEndpoint": {
 "type": "structure",
 "members": {
 "Endpoint": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The network address of the endpoint.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A network endpoint through which you can access one or more servers.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ServerSettings": {
 "type": "union",
 "members": {
 "RdsSalSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#RdsSalSettings",
 "traits": {
 "smithy.api#documentation": "<p>The <code>RdsSalSettings</code> resource contains settings to configure a specific Remote Desktop Services (RDS) license server.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Contains settings for a specific server.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ServerType": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {

```



[illegible]



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"members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#StopProductSubscription": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerusersubscriptions#StopProductSubscriptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ServiceQuotaExceededException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerusersubscriptions#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Stops a product subscription for a user with the specified identity
provider.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/user/StopProductSubscription"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionRequest": {
 "type": "structure",
 "members": {
 "Username": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The user name from the identity provider for the user.</p>"
 }
 },
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider",
 "traits": {
 "smithy.api#documentation": "<p>An
object that specifies details for the identity provider.</p>"
 }
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "ProductUserArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the product user.</p>"
 }
 },
 "Domain": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The
domain name of the Active Directory that contains the user for whom to stop the product \n\t\t\tsubscription.</p>"
 }
 }
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StopProductSubscriptionResponse": {
 "type": "structure",
 "members": {
 "ProductUserSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ProductUserSummary",
 "traits": {
 "smithy.api#documentation": "<p>Metadata that describes the start product subscription
operation.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnet": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^subnet-[a-z0-9]{8,17}"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#Subnets": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnet"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 }
 }
}

```

```

 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#TagResource": {

"type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds tags to a resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{ResourceArn}"
 }
 },

"smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to tag.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 },
 "Tags": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Tags",

```



```

 "traits": {
 "smithy.api#documentation": "<p>The tags to apply to the specified resource.</p>",
 "smithy.api#required": {}
 }
 },
 "traits":
{
 "smithy.api#input": {}
},
"com.amazonaws.licensemanagerusersubscriptions#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#Tags": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
},
"com.amazonaws.licensemanagerusersubscriptions#ThrottlingException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The request was denied because of request throttling. Retry the request.</p>",
 "smithy.api#error": "client"
 }
},

```

```

"com.amazonaws.licenseanagerusersubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Removes
tags from a resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{ResourceArn}"
 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licenseanagerusersubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#ResourceArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource that you want
to remove tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>The tag keys to remove from the resource.</p>",
 "smithy.api#httpQuery": "tagKeys",
 "smithy.api#required": {}
 }
 }
 }
},

```



```

"members": {
 "IdentityProvider": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProvider"
 },
 "Product": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the user-based subscription product.</p>\n
<p>Valid values: <code>VISUAL_STUDIO_ENTERPRISE</code> |
<code>VISUAL_STUDIO_PROFESSIONAL</code> | <code>OFFICE_PROFESSIONAL_PLUS</code>\n
</p>"
 }
 },
 "IdentityProviderArn": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the
identity provider to update.</p>"
 }
 },
 "UpdateSettings": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings",
 "traits": {
 "smithy.api#documentation": "<p>Updates the registered identity providers product related
configuration settings. You can\n\t\t\t\t\tupdate any combination of settings in a single operation such as the:</p>\n
\n \n <p>Subnets which you want to add to provision VPC endpoints.</p>\n \n
 \n <p>Subnets which you want to remove the VPC endpoints from.</p>\n \n
 \n <p>Security group ID which permits traffic to the VPC endpoints.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateIdentityProviderSettingsResponse": {
 "type": "structure",
 "members": {
 "IdentityProviderSummary": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#IdentityProviderSummary",
 "traits": {
 "smithy.api#required": {}
 }
 }
 },
 "traits": {

```

```

 "smithy.api#output": {}
 },
 "com.amazonaws.licenseanagerusersubscriptions#UpdateSettings": {
 "type": "structure",
 "members": {
 "AddSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets in which License Manager will
create a VPC endpoint
for products that require connectivity to activation servers.</p>",
 "smithy.api#required": {}
 }
 },
 "RemoveSubnets": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#Subnets",
 "traits": {
 "smithy.api#documentation": "<p>The ID of one or more subnets to remove.</p>",
 "smithy.api#required": {}
 }
 },
 "SecurityGroupId": {
 "target": "com.amazonaws.licenseanagerusersubscriptions#SecurityGroup",
 "traits": {
 "smithy.api#documentation": "<p>A security group ID that allows inbound TCP port 1688
communication between resources in your VPC and the VPC endpoints for activation servers.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation":
 "<p>Updates the registered identity providers product related configuration settings such as the subnets to
provision VPC endpoints.</p>"
 }
 },
 "com.amazonaws.licenseanagerusersubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A parameter is not valid.</p>",
 "smithy.api#error": "client"
 }
 }
}

```

```

 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Lists the licenses for your account.
func (c *Client) ListLicenses(ctx context.Context, params *ListLicensesInput, optFns ...func(*Options))
(*ListLicensesOutput, error) {
 if params == nil {
 params = &ListLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListLicenses", params, optFns,
c.addOperationListLicensesMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*ListLicensesOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type ListLicensesInput struct {

 // Filters to scope the results. The following filters are supported:
 //
 // - Beneficiary
 //
 // - ProductSKU
 //
 // - Fingerprint
 //
 // - Status
 Filters
 []types.Filter

 // Amazon Resource Names (ARNs) of the licenses.

```

```

LicenseArns []string

// Maximum number of results to return in a single call.
MaxResults *int32

// Token for the next set of results.
NextToken *string

noSmithyDocumentSerde
}

type ListLicensesOutput struct {

// License details.
Licenses []types.License

// Token for the next set of results.
NextToken *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationListLicensesMiddlewares(stack *middleware.Stack, options Options) (err error) {
if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
return err
}
err = stack.Serialize.Add(&awsAwsjson11_serializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListLicenses{}, middleware.After)
if err != nil {
return err
}
if err := addProtocolFinalizerMiddlewares(stack,
options, "ListLicenses"); err != nil {
return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
return err
}
}

```

```

if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListLicenses(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {

```



```

 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 {
 return err
 }
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opListLicenses(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListLicenses",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"

```

```

)

// Creates a license.
func (c *Client) CreateLicense(ctx context.Context, params *CreateLicenseInput, optFns ...func(*Options))
(*CreateLicenseOutput, error) {
 if params == nil {
 params = &CreateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CreateLicense", params, optFns,
c.addOperationCreateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CreateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type CreateLicenseInput struct {

 // License beneficiary.
 //
 // This member is required.
 Beneficiary *string

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 // the request.
 //
 //
 // This member is required.
 ClientToken *string

 // Configuration for consumption of the license. Choose a provisional
 // configuration for workloads running with continuous connectivity. Choose a
 // borrow configuration for workloads with offline usage.
 //
 // This member is required.
 ConsumptionConfiguration *types.ConsumptionConfiguration

 // License entitlements.
 //
 // This member is required.
 Entitlements []types.Entitlement

 // Home Region for the license.
 //

```

```

// This member is required.
HomeRegion *string

// License issuer.
//
// This member is required.
Issuer *types.Issuer

// License name.
//
// This member is required.
LicenseName *string

// Product name.
//
// This member is required.
ProductName *string

// Product SKU.
//
// This member is required.
ProductSKU *string

// Date and time range during which the license is valid, in ISO8601-UTC format.
//
// This member is required.
Validity *types.DatetimeRange

// Information about
the license.
LicenseMetadata []types.Metadata

noSmithyDocumentSerde
}

type CreateLicenseOutput struct {

// Amazon Resource Name (ARN) of the license.
LicenseArn *string

// License status.
Status types.LicenseStatus

// License version.
Version *string

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

```

```
noSmithyDocumentSerde
}
```

```
func (c *Client) addOperationCreateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCreateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CreateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if
 err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
}
```

```

if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err
= addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCreateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCreateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {

```

```

 return err
}
if err = addSpanBuildRequestStart(stack);
err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCreateLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CreateLicense",
 }
}
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Checks in the specified license. Check in a license when it is no longer in use.
func (c *Client) CheckInLicense(ctx context.Context, params *CheckInLicenseInput, optFns ...func(*Options))
(*CheckInLicenseOutput, error) {
 if params == nil {
 params = &CheckInLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "CheckInLicense", params, optFns,
c.addOperationCheckInLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*CheckInLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

```

```

type CheckInLicenseInput struct {

 // License consumption token.
 //
 // This member is required.
 LicenseConsumptionToken *string

 // License beneficiary.
 Beneficiary *string

 noSmithyDocumentSerde
}

type
CheckInLicenseOutput struct {
 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckInLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckInLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "CheckInLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if

```

```

err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if
err = addOpCheckInLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckInLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {

```



```

 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckInLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "CheckInLicense",
 }
}
ListLicenses
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint

```

```

OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Gets detailed information about the specified license.
func (c *Client) GetLicense(ctx context.Context, params *GetLicenseInput, optFns ...func(*Options))
(*GetLicenseOutput, error) {
 if params == nil {
 params = &GetLicenseInput{}
 }
}

```

```

 result, metadata, err := c.invokeOperation(ctx, "GetLicense", params, optFns,
c.addOperationGetLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*GetLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type GetLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // License version.
 Version *string

 noSmithyDocumentSerde
}

type
 GetLicenseOutput struct {

 // License details.
 License *types.License

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
 }

func (c *Client) addOperationGetLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpGetLicense{}, middleware.After)
 if err != nil {
 return err
 }

```

```

}
if err := addProtocolFinalizerMiddlewares(stack, options, "GetLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err
!= nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}

```

```

if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options);
err != nil {
 return err
}
if err = addOpGetLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opGetLicense(options.Region), middleware.Before);
err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

```

```

func newServiceMetadataMiddleware_opGetLicense(region string) *awsmiddleware.RegisterServiceMetadata
{
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 }
}

```

```
ServiceID: ServiceID,
OperationName: "GetLicense",
}
}
CheckoutLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
DisassociateLicense
Initialize stack step
spanInitializeStart
```

RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
AssociateLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart

```

setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger

```

// Code generated by smithy-go-codegen DO NOT EDIT.

```
package licensemanager
```

```

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

```

// Checks out the specified license for offline use.

```

func (c *Client) CheckoutBorrowLicense(ctx context.Context, params *CheckoutBorrowLicenseInput, optFns
...func(*Options)) (*CheckoutBorrowLicenseOutput, error) {
 if params == nil {

```



```

params = &CheckoutBorrowLicenseInput{}
}

result, metadata, err := c.invokeOperation(ctx, "CheckoutBorrowLicense", params, optFns,
c.addOperationCheckoutBorrowLicenseMiddlewares)
if err != nil {
 return nil, err
}

out := result.(*CheckoutBorrowLicenseOutput)
out.ResultMetadata = metadata
return out, nil
}

type CheckoutBorrowLicenseInput struct {

 // Unique, case-sensitive identifier that you provide to ensure the idempotency of
 //
 the request.
 //
 // This member is required.
 ClientToken *string

 // Digital signature method. The possible value is JSON Web Signature (JWS)
 // algorithm PS384. For more information, see [RFC 7518 Digital Signature with RSASSA-PSS].
 //
 // [RFC 7518 Digital Signature with RSASSA-PSS]: https://tools.ietf.org/html/rfc7518#section-3.5
 //
 // This member is required.
 DigitalSignatureMethod types.DigitalSignatureMethod

 // License entitlements. Partial checkouts are not supported.
 //
 // This member is required.
 Entitlements []types.EntitlementData

 // Amazon Resource Name (ARN) of the license. The license must use the borrow
 // consumption configuration.
 //
 // This member is required.
 LicenseArn *string

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Node ID.
 NodeId *string

```

```

noSmithyDocumentSerde
}

type CheckoutBorrowLicenseOutput struct {

 // Information about constraints.
 CheckoutMetadata []types.Metadata

 // Allowed license entitlements.
 EntitlementsAllowed
 []types.EntitlementData

 // Date and time at which the license checkout expires.
 Expiration *string

 // Date and time at which the license checkout is issued.
 IssuedAt *string

 // Amazon Resource Name (ARN) of the license.
 LicenseArn *string

 // License consumption token.
 LicenseConsumptionToken *string

 // Node ID.
 NodeId *string

 // Signed token.
 SignedToken *string

 // Metadata pertaining to the operation's result.
 ResultMetadata middleware.Metadata

 noSmithyDocumentSerde
}

func (c *Client) addOperationCheckoutBorrowLicenseMiddlewares(stack *middleware.Stack, options Options) (err
error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpCheckoutBorrowLicense{}, middleware.After)
 if err != nil {
 return
 }
}

```

```

err
}
if err := addProtocolFinalizerMiddlewares(stack, options, "CheckoutBorrowLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
}

if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
}
if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
}
if err = addClientRequestID(stack); err != nil {
 return err
}
if err = addComputeContentLength(stack); err != nil {
 return err
}
if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
}
if err = addComputePayloadSHA256(stack); err != nil {
 return err
}
if err = addRetry(stack, options); err != nil {
 return err
}
if err = addRawResponseToMetadata(stack); err != nil {
 return err
}
if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack);
err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}

```

```

}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpCheckoutBorrowLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opCheckoutBorrowLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options);
err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opCheckoutBorrowLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{

```

```
Region: region,
ServiceID: ServiceID,
OperationName: "CheckoutBorrowLicense",
}
}
```

CheckInLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

AWS SDK for Go

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ListReceivedLicenses

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

spanInitializeEnd

Serialize stack step

spanBuildRequestStart

setOperationInput

ResolveEndpoint

OperationSerializer

Build stack step

ClientRequestID

ComputeContentLength

UserAgent

AddTimeOffsetMiddleware

RecursionDetection

spanBuildRequestEnd

Finalize stack step

ResolveAuthScheme

GetIdentity

ResolveEndpointV2

disableHTTPS

ComputePayloadHash

spanRetryLoop

Retry

RetryMetricsHeader

setLegacyContextSigningOptions

Signing

Deserialize stack step

AddRawResponseToMetadata

ErrorCloseResponseBody

CloseResponseBody

ResponseErrorWrapper

RequestIDRetriever

OperationDeserializer

AddTimeOffsetMiddleware

RecordResponseTiming

RequestResponseLogger

// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

import (

"context"

"fmt"

```

awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
"github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
"github.com/aws/smithy-go/middleware"
smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Deletes the specified license.
func (c *Client) DeleteLicense(ctx context.Context, params *DeleteLicenseInput, optFns ...func(*Options))
(*DeleteLicenseOutput, error) {
 if params == nil {
 params = &DeleteLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "DeleteLicense", params, optFns,
c.addOperationDeleteLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*DeleteLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type DeleteLicenseInput struct {

 // Amazon Resource Name (ARN) of the license.
 //
 // This member is required.
 LicenseArn *string

 // Current version of the license.
 //
 // This member is required.
 SourceVersion
 *string

 noSmithyDocumentSerde
}

type DeleteLicenseOutput struct {

 // Date when the license is deleted.
 DeletionDate *string

 // License status.
 Status types.LicenseDeletionStatus

```

```

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationDeleteLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpDeleteLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "DeleteLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err !=
 nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {

```



```

return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
return err
}
if err = addClientUserAgent(stack, options); err != nil {
return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err
!= nil {
return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
return err
}
if err = addOpDeleteLicenseValidationMiddleware(stack); err != nil {
return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opDeleteLicense(options.Region),
middleware.Before); err != nil {
return err
}
if err = addRecursionDetection(stack); err != nil {
return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
return err
}
if err = addSpanInitializeStart(stack); err != nil {
return err
}

```

```

}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if
err = addSpanBuildRequestEnd(stack); err != nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opDeleteLicense(region string) *awsmiddleware.RegisterServiceMetadata {
 return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "DeleteLicense",
 }
}

CreateLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop

```

Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger

```
{
 "smithy": "2.0",
 "shapes": {
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger": {
 "type": "integer"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong": {
 "type": "long"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
]
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove a third-party subscription provider from the Bring Your Own
```

```

License (BYOL) subscriptions \n\t\t\tregistered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/DeregisterSubscriptionProvider"
 },
 "smithy.api#idempotent": {}
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the subscription provider
resource to deregister.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProviderResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of name to filter by.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>One or more values for the name to filter by.</p>"
 }
 }
 },
 "Operator": {

```

```

 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Operator",
 "traits": {
 "smithy.api#documentation": "<p>An operator for filtering results.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter object that is used to return more specific results from a describe operation.\n Filters can be used to match a set of resources by specific criteria.</p>"
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList": {
 "type":
 "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Filter"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest"
 },
 "output": {
 "target":
 "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Get details for a Bring Your Own License (BYOL) subscription that's registered to your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/GetRegisteredSubscriptionProvider"
 }
 }
 }
}

```

```

 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation":
"<p>The Amazon Resource Name (ARN) of the BYOL registration resource to get details for.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProviderResponse": {
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) for the BYOL registration
resource specified in the request.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>The subscription provider for the BYOL registration resource
specified \n\t\t\tin the request.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the third-party access
secret stored in Secrets Manager for the BYOL \n\t\t\tregistration resource specified in the request.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {

```



```

 "uri": "/subscription/GetServiceSettings"

 },
 "smithy.api#idempotent": {}
}

},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>Lists
the settings defined for Linux subscriptions discovery. The settings include if n Organizations integration has
been enabled, and which Regions data will be aggregated from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },
 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
 }
}

```



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 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Instance": {
 "type": "structure",
 "members": {
 "AmiId": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The AMI ID used to launch the instance.</p>"
 }
 },
 "InstanceID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance ID of the resource.</p>"
 }
 },
 "InstanceType": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The instance type of the resource.</p>"
 }
 },
 "AccountID": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The account ID which owns the instance.</p>"
 }
 },
 "Status": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The status of the instance.</p>"
 }
 },
 "Region": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The Region the instance is running in.</p>"
 }
 },
 "UsageOperation": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The usage operation of the instance. For more information, see For more information, see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-

```

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subscriptions-usage-operation.html\>Usage\n operation values in the <i>License Manager User
Guide</i>.</p>"
 }
 },
 "ProductCode": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList",
 "traits": {
 "smithy.api#documentation": "<p>The product code for the instance. For more information, see <a
href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/linux-subscriptions-usage-
operation.html\>Usage\n operation values in the <i>License Manager User Guide</i> .</p>"
 }
 },
 "LastUpdatedTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The time in which the last discovery updated the instance
details.</p>"
 }
 },
 "SubscriptionName": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the license subscription that the instance uses.</p>"
 }
 },
 "OsVersion": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The operating system software version that runs on your
instance.</p>"
 }
 },
 "SubscriptionProviderCreateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp when you registered
the third-party Linux subscription \n\t\t\tprovider for the subscription that the instance uses.</p>"
 }
 },
 "SubscriptionProviderUpdateTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that the instance synced with the
registered \n\t\t\tthird-party Linux subscription provider.</p>"
 }
 },
 "DualSubscription": {
 "target": "smithy.api#String",

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"traits": {
 "smithy.api#documentation": "<p>Indicates that you have two different license subscriptions for\n\t\tthe same software on your instance.</p>"
 },
 "RegisteredWithSubscriptionProvider": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>Indicates that your instance uses a BYOL license subscription from \n\t\tthird-party Linux subscription provider that you've registered with License Manager.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details discovered information about a running instance using Linux\nsubscriptions.</p>"
 },
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Instance"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>An exception occurred with the service.</p>",
 "smithy.api#error": "server"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#LicenseManagerLinuxSubscriptions": {
 "type": "service",
 "version": "2018-05-10",
 "operations": [
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#DeregisterSubscriptionProvider"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetRegisteredSubscriptionProvider"
 }
],
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{
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#GetServiceSettings"
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances"
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions"
},
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders"
},
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResource"
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider"
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource"
},
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource"
},
{
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettings"
}
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager Linux Subscriptions",
 "arnNamespace": "license-manager-linux-subscriptions",
 "cloudTrailEventSource": "license-manager-linux-subscriptions.amazonaws.com"
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 "aws.auth#sigv4": {
 "name": "license-manager-linux-subscriptions"
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 "aws.protocols#restJson1": {},
 "smithy.api#cors": {
 "additionalAllowedHeaders": [
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 "content-type",
 "x-amz-content-sha256",
 "x-amz-user-agent",
 "x-amzn-platform-id",
 "x-amzn-trace-id"
],
 "additionalExposedHeaders": [

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 "x-amzn-errortype",
 "x-amzn-requestid",
 "x-amzn-trace-id"
]
},
"smithy.api#documentation": "<p>With License Manager,
you can discover and track your commercial Linux subscriptions on running Amazon EC2 instances.</p>",
"smithy.api#title": "AWS License Manager Linux Subscriptions",
"smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
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 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not
support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
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 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the
configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
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 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
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 "type": "error"
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 "ref": "Endpoint"
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 "ref": "Region"
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 "ref": "UseDualStack"
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 "ref": "PartitionResult"
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 "fn": "supportsFIPS"
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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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 "supportsDualStack"
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 "rules": [
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 "conditions": [],

"rules": [

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 "headers": {}
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 "properties": {},
 "headers": {}
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 "type": "error"
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 "fn": "getAttr",
 "argv": [
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 "headers": {}
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{
 "conditions": [],
 "error": "Invalid Configuration: Missing Region",
 "type": "error"
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"type": "tree"
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},

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"smithy.rules#endpointTests": {
 "testCases": [
 {
 "documentation": "For region us-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
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 "documentation": "For region us-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
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 "documentation": "For region us-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
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 {
 "documentation": "For region us-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-east-1.amazonaws.com"
 }
 }
 }
]
}

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 }
},
 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false
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},
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 "documentation": "For region cn-north-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.api.amazonwebservices.com.cn"
 }
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 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": true
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},
{
 "documentation": "For region cn-north-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{
 "documentation": "For region cn-north-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.api.amazonwebservices.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": true
 }
}

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 }
 },
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 "documentation": "For region cn-north-1 with FIPS disabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
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 {
 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.api.aws"
 }
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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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 },
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 "documentation": "For region us-gov-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-gov-east-1.amazonaws.com"
 }
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 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.api.aws"

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 "documentation": "For region us-gov-east-1 with FIPS disabled and DualStack disabled",
 "expect": {
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 "url": "https://license-manager-linux-subscriptions.us-gov-east-1.amazonaws.com"
 }
 },
 "params": {
 "Region": "us-gov-east-1",
 "UseFIPS": false,
 "UseDualStack": false
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{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
 "error": "FIPS and DualStack are enabled, but this partition does not support one or both"
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": true
 }
},
{
 "documentation": "For region us-iso-east-1 with FIPS enabled and DualStack disabled",
 "expect": {
 "endpoint": {
 "url": "https://license-manager-linux-subscriptions-fips.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
 "UseFIPS": true,
 "UseDualStack": false
 }
},
{

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enabled",
 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack
enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
 },
 "params": {
 "Region": "us-iso-east-1",
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 "UseDualStack": true
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 "documentation": "For region us-iso-east-1 with FIPS disabled and DualStack disabled",
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 "url": "https://license-manager-linux-subscriptions.us-iso-east-1.c2s.ic.gov"
 }
 },
 "params": {
 "Region": "us-iso-east-1",
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 "UseDualStack": false
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 "documentation": "For region us-isob-east-1 with FIPS enabled and DualStack enabled",
 "expect": {
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 "UseDualStack": true
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 "expect": {
 "endpoint": {
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 }
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 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": true,
 "UseDualStack": false
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 "documentation": "For region us-isob-east-1 with FIPS disabled and DualStack enabled",
 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
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 "expect": {
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 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "documentation": "For custom endpoint with region set and fips disabled and dualstack disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
 }
 },
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 "documentation": "For custom endpoint with region not set and fips disabled and dualstack
disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
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 }
 }
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
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}

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 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
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 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
 "expect": {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported"
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
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 "documentation": "For custom endpoint with fips disabled and dualstack enabled",
 "expect": {
 "error": "Invalid Configuration: Dualstack and custom endpoint are not supported"
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
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 "expect": {
 "error": "Invalid Configuration: Missing Region"
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"version": "1.0"
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [

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 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled LinuxSubscriptionsDiscovery"
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 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled LinuxSubscriptionsDiscovery"
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]
}
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"com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings": {
 "type": "structure",
 "members": {
 "SourceRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Regions in which to discover data for Linux
subscriptions.</p>",
 "smithy.api#required": {}
 }
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 "OrganizationIntegration": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration",
 "traits": {
 "smithy.api#documentation":
"<p>Details if you have enabled resource discovery across your accounts in Organizations.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Lists the settings defined for discovering Linux subscriptions.</p>"
 }
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"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstances": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse"
 },
 "errors": [
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 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerException"
 },

 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
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"traits": {
 "smithy.api#documentation": "<p>Lists the running Amazon EC2 instances that were discovered with commercial Linux\n subscriptions.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptionInstances"
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 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "Instances"
 }
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results by your specified criteria. \n \tFor example, you can specify <code>Region</code> in the <code>Name</code>, with the \n \t<code>contains</code> operator to list all subscriptions that match a partial string in the \n \t<code>Value</code>, such as <code>us-west</code>.</p>\n <p>For each filter, you can specify one of the following values for the <code>Name</code> key \n \tto streamline results:</p>\n \n \n <p>\n <code>AccountID</code>\n </p>\n \n \n <p>\n <code>AmiID</code>\n </p>\n \n \n <p>\n <code>DualSubscription</code>\n </p>\n \n \n <p>\n <code>InstanceID</code>\n </p>\n \n \n <p>\n <code>InstanceType</code>\n </p>\n \n \n <p>\n <code>ProductCode</code>\n </p>\n \n \n <p>\n <code>Region</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n \n <p>\n <code>UsageOperation</code>\n </p>\n \n \n <p>For each filter, you can use

```

one of the following `Operator`

values to `\n` to define the behavior of the filter:

|                       |                           |                            |                           |                          |
|-----------------------|---------------------------|----------------------------|---------------------------|--------------------------|
| <code>contains</code> | <code>&lt;/p&gt;\n</code> | <code>&lt;/li&gt;\n</code> | <code>&lt;li&gt;\n</code> | <code>&lt;p&gt;\n</code> |
| <code>equals</code>   | <code>&lt;/p&gt;\n</code> | <code>&lt;/li&gt;\n</code> | <code>&lt;li&gt;\n</code> | <code>&lt;p&gt;\n</code> |
| <code>NotEqual</code> | <code>&lt;/p&gt;\n</code> | <code>&lt;/li&gt;\n</code> | <code>&lt;/ul&gt;</code>  |                          |

```
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to
start paginating. This is the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if
parameters in request increases."
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionInstancesResponse": {
 "type": "structure",
 "members": {
 "Instances": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InstanceList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains instance objects.</p>"
 }
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this field
isn't empty, there are additional elements that the service hasn't included in this request. Use this token with the
next request to retrieve additional objects.</p>"
 }
 }
}
```

```

 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerError"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the Linux subscriptions that have been discovered. If you have linked your\n organization, the returned results will include data aggregated across your accounts in\nOrganizations.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListLinuxSubscriptions"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 }
 }
 },
 "items": "Subscriptions"
}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>An array of structures that you can use to filter the results to those that match one or\n more sets of key-value pairs that you specify. For example, you can filter by the name of\n

```

`Subscription` with an optional operator to see subscriptions that match, partially match, or don't match a certain subscription's name.

The valid names for this filter are:

- `Subscription`

The valid Operators for this filter are:

- `contains`
- `equals`
- `Notequal`

```

 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>The maximum items to return in a request.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>A token to specify where to start paginating. This \n\tis the nextToken from a previously truncated response.</p>",
 "smithy.api#length": {
 "min": 1,
 "max": 16384
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "NextToken length limit is half of ddb accepted limit.\nIncrease this limit if parameters in request increases."
 },
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListLinuxSubscriptionsResponse": {
 "type": "structure",
 "members": {
 "Subscriptions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList",
 "traits": {
 "smithy.api#documentation": "<p>An array that contains subscription objects.</p>"
 }
 },
 "NextToken": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The next token used for paginated responses. When this \n\tfield isn't empty, there are additional elements that the service hasn't \n\tincluded in this request. Use this token with the next request to retrieve \n\tadditional objects.</p>"
 }
 }
 }
}

```



```

 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProviders": {
 "type": "operation",
 "input": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest"
 },
 "output": {
 "target":
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"

 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>List Bring Your Own License (BYOL) subscription registration
resources for your account.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/ListRegisteredSubscriptionProviders"
 },
 "smithy.api#idempotent": {},
 "smithy.api#paginated": {
 "inputToken": "NextToken",
 "outputToken": "NextToken",
 "pageSize": "MaxResults",
 "items": "RegisteredSubscriptionProviders"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ListRegisteredSubscriptionProvidersRequest": {
 "type": "structure",
 "members": {
 "SubscriptionProviderSources": {

```





```

 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "tags": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Tags",
 "traits": {
 "smithy.api#documentation": "<p>The metadata tags for the requested resource.</p>"
 }
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Operator": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "EQUAL",
 "value": "Equal",
 "documentation": "Equal operator"
 },
 {
 "name": "NOT_EQUAL",
 "value": "NotEqual",
 "documentation": "Not equal operator"
 },
 {
 "name": "CONTAINS",
 "value": "Contains",
 "documentation": "Contains operator"
 }
],
 "smithy.api#length": {
 "min": 1,
 "max": 20
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#OrganizationIntegration":
{
 "type": "string",
 "traits": {

```

```

 "smithy.api#enum": [
 {
 "name": "Enabled",
 "value": "Enabled",
 "documentation": "Enabled OrganizationIntegration"
 },
 {
 "name": "Disabled",
 "value": "Disabled",
 "documentation": "Disabled OrganizationIntegration"
 }
]
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ProductCodeList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProvider": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisterSubscriptionProviderResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ThrottlingException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Register the supported third-party subscription provider for your Bring Your Own License (BYOL) subscription.</p>",
 "smithy.api#http": {
 "code": 200,
 "method": "POST",
 "uri": "/subscription/RegisterSubscriptionProvider"
 }
 }
 }
}

```



```

 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of the registration action for the Linux
subscription provider \n\t\t\tthat you requested.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider":
{
 "type": "structure",
 "members": {
 "SubscriptionProviderArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Linux subscription
provider resource that you registered.</p>"
 }
 },
 "SubscriptionProviderSource": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource",
 "traits": {
 "smithy.api#documentation": "<p>A supported third-party Linux subscription provider. License
Manager currently supports \n\t\t\tRed Hat subscriptions.</p>"
 }
 },
 "SecretArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Secrets Manager secret
that stores your registered Linux subscription provider \n\t\t\taccess token. For RHEL account subscriptions, this is
the offline token.</p>"
 }
 },
 "SubscriptionProviderStatus": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of your registered Linux subscription provider
access token \n\t\t\tfrom the last time License Manager retrieved subscription data. For RHEL account subscriptions,
\n\t\t\tthis is the status of the offline token.</p>"
 }
 }
 }
}

```

```

 }
 },
 "SubscriptionProviderStatusMessage": {
 "target": "smithy.api#String",
 "traits": {
 {
 "smithy.api#documentation": "<p>A detailed message that's associated with your BYOL subscription
\n\t\t\tprovider token status.</p>"
 }
 },
 "LastSuccessfulDataRetrievalTime": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The timestamp from the last time that License Manager accessed
third-party subscription data \n\t\t\tfor your account from your registered Linux subscription provider.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A third-party provider for operating system (OS) platform software and
license \n\t\t\tsubscriptions, such as Red Hat. When you register a third-party Linux subscription \n\t\t\tprovider,
License Manager can get subscription data from the registered provider.</p>"
 },
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProviderList":
 {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#RegisteredSubscriptionProvider"
 },
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 },
 },
 "traits": {
 "smithy.api#documentation": "<p>Unable to find the requested Amazon Web Services resource.</p>",
 "smithy.api#error": "client"
 },
 },
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SecretArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:secretsmanager:[a-z0-9-\\.]{0,63}:[a-z0-9-
\\.]{0,63}:secret:[^/]{1,1023}$"
 }
 }
 }
}

```



```

}
},
"com.amazonaws.licensemanagerlinuxsubscriptions#Status": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "InProgress",
 "value": "InProgress",
 "documentation": "InProgress status"
 },
 {
 "name": "Completed",
 "value": "Completed",
 "documentation": "Completed status"
 },
 {
 "name": "Successful",
 "value": "Successful",
 "documentation": "Successful status"
 },
 {
 "name": "Failed",
 "value": "Failed",
 "documentation": "Failed status"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#StringList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 },
 "smithy.api#uniqueItems": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap": {
 "type": "map",
 "key": {
 "target": "smithy.api#String"
 },
 "value": {
 "target": "smithy.api#String"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The name of the subscription.</p>"
 }
 },
 "Type": {
 "target": "smithy.api#String",
 "traits": {
 "smithy.api#documentation": "<p>The type of subscription. The type can be subscription-included with Amazon EC2, Bring Your Own\n Subscription model (BYOS), or from the Amazon Web Services Marketplace. Certain subscriptions may use licensing from the\n Amazon Web Services Marketplace as well as OS licensing from Amazon EC2 or BYOS.</p>"
 }
 },
 "InstanceCount": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>The total amount of running instances using this subscription.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>An object which details a discovered Linux subscription.</p>"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Subscription"
 }
 },
 },

```

```

"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn": {
 "type": "string",
 "traits": {
 "smithy.api#pattern": "^arn:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,63}:[a-z0-9-\\.]{1,510}/[a-z0-9-\\.]{1,510}$"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "RedHat",
 "value": "RedHat",
 "documentation": "RedHat subscription provider namespace"
 }
]
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSourceList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderSource"
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderStatus": {
 "type": "string",
 "traits": {
 "smithy.api#enum": [
 {
 "name": "ACTIVE",
 "value": "ACTIVE",
 "documentation": "ACTIVE status"
 },
 {
 "name": "INVALID",
 "value": "INVALID",
 "documentation": "INVALID status"
 },
 {
 "name": "PENDING",
 "value": "PENDING",
 "documentation": "PENDING status"
 }
]
 }
}

```

```

 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#TagKeyList": {
 "type": "list",
 "member": {
 "target": "smithy.api#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#sensitive": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Add metadata tags to the specified Amazon Web Services
resource.</p>",
 "smithy.api#http": {
 "method": "PUT",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#TagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {

```



```

 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation":
"<p>The request was denied due to request throttling.</p>",
 "smithy.api#error": "client"
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#InternalServerErrorException"
 },
 {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#ResourceNotFoundException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Remove one or more metadata tag from the specified Amazon Web
Services resource.</p>",
 "smithy.api#http": {
 "method": "DELETE",
 "uri": "/tags/{resourceArn}"
 },
 "smithy.api#idempotent": {}
 }
 },
 "com.amazonaws.licensemanagerlinuxsubscriptions#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "resourceArn": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#SubscriptionProviderArn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the Amazon Web Services
resource to remove the metadata tags from.</p>",
 "smithy.api#httpLabel": {},
 "smithy.api#required": {}
 }
 }
 }
 },

```



```

 },
 "smithy.api#idempotent": {}
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Describes if the discovery of Linux subscriptions is enabled.</p>",
 "smithy.api#required": {}
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated from.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowUpdate": {
 "target":
"smithy.api#Boolean",
 "traits": {
 "smithy.api#documentation": "<p>Describes if updates are allowed to the service settings for Linux subscriptions. If you\n allow updates, you can aggregate Linux subscription data in more than one home Region.</p>"
 }
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "LinuxSubscriptionsDiscovery": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscovery",
 "traits": {
 "smithy.api#documentation": "<p>Lists if discovery has been enabled for Linux subscriptions.</p>"
 }
 },
 "LinuxSubscriptionsDiscoverySettings": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#LinuxSubscriptionsDiscoverySettings",
 "traits": {
 "smithy.api#documentation": "<p>The settings defined for Linux subscriptions discovery. The settings include if Organizations\n integration has been enabled, and which Regions data will be aggregated

```



```

from.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#Status",
 "traits": {
 "smithy.api#documentation": "<p>Indicates the status of Linux subscriptions settings being
applied.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringMap",
 "traits": {
 "smithy.api#documentation": "<p>A message which details the Linux subscriptions service settings
current status.</p>"
 }
 },

 "HomeRegions": {
 "target": "com.amazonaws.licensemanagerlinuxsubscriptions#StringList",
 "traits": {
 "smithy.api#documentation": "<p>The Region in which License Manager displays the aggregated
data for Linux\n subscriptions.</p>"
 }
 }
},
"com.amazonaws.licensemanagerlinuxsubscriptions#ValidationException": {
 "type": "structure",
 "members": {
 "message": {
 "target": "smithy.api#String"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",
 "smithy.api#error": "client"
 }
}
}
}

```

GetLicense

Initialize stack step

spanInitializeStart

RegisterServiceMetadata

legacyEndpointContextSetter

SetLogger

OperationInputValidation

spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step  
ClientRequestID  
ComputeContentLength  
UserAgent  
AddTimeOffsetMiddleware  
RecursionDetection  
spanBuildRequestEnd  
Finalize stack step  
ResolveAuthScheme  
GetIdentity  
ResolveEndpointV2  
disableHTTPS  
ComputePayloadHash  
spanRetryLoop  
Retry  
RetryMetricsHeader  
setLegacyContextSigningOptions  
Signing  
Deserialize stack step  
AddRawResponseToMetadata  
ErrorCloseResponseBody  
CloseResponseBody  
ResponseErrorWrapper  
RequestIDRetriever  
OperationDeserializer  
AddTimeOffsetMiddleware  
RecordResponseTiming  
RequestResponseLogger  
CheckoutBorrowLicense  
Initialize stack step  
spanInitializeStart  
RegisterServiceMetadata  
legacyEndpointContextSetter  
SetLogger  
OperationInputValidation  
spanInitializeEnd  
Serialize stack step  
spanBuildRequestStart  
setOperationInput  
ResolveEndpoint  
OperationSerializer  
Build stack step

```

ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody
ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
// Code generated by smithy-go-codegen DO NOT EDIT.

package grafana

import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/grafana/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)

// Assigns a Grafana Enterprise license to a workspace. To upgrade, you must use
// ENTERPRISE for the licenseType , and pass in a valid Grafana Labs token for the
// grafanaToken . Upgrading to Grafana Enterprise incurs additional fees. For more
// information, see [Upgrade a workspace to Grafana Enterprise].
//
// [Upgrade a workspace to Grafana Enterprise]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
// Grafana-Enterprise.html
func (c *Client) AssociateLicense(ctx context.Context, params *AssociateLicenseInput, optFns ...func(*Options))

```

```

(*AssociateLicenseOutput, error) {
 if params == nil {
 params = &AssociateLicenseInput{}
 }

 result, metadata, err := c.invokeOperation(ctx,
 "AssociateLicense", params, optFns, c.addOperationAssociateLicenseMiddlewares)
 if err != nil {
 return nil, err
 }

 out := result.(*AssociateLicenseOutput)
 out.ResultMetadata = metadata
 return out, nil
}

type AssociateLicenseInput struct {

 // The type of license to associate with the workspace.
 //
 // Amazon Managed Grafana workspaces no longer support Grafana Enterprise free
 // trials.
 //
 // This member is required.
 LicenseType types.LicenseType

 // The ID of the workspace to associate the license with.
 //
 // This member is required.
 WorkspaceId *string

 // A token from Grafana Labs that ties your Amazon Web Services account with a
 // Grafana Labs account. For more information, see [Link your account with Grafana Labs].
 //
 // [Link your account with Grafana Labs]: https://docs.aws.amazon.com/grafana/latest/userguide/upgrade-to-
 // Grafana-Enterprise.html#AMG-workspace-register-enterprise
 GrafanaToken *string

 noSmithyDocumentSerde
}

type AssociateLicenseOutput
struct {

 // A structure containing data about the workspace.
 //
 // This member is required.
 Workspace *types.WorkspaceDescription

```

```

// Metadata pertaining to the operation's result.
ResultMetadata middleware.Metadata

noSmithyDocumentSerde
}

func (c *Client) addOperationAssociateLicenseMiddlewares(stack *middleware.Stack, options Options) (err error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsRestjson1_serializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsRestjson1_deserializeOpAssociateLicense{}, middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "AssociateLicense"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack,
options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
}

```

```

if err = addRecordResponseTiming(stack); err != nil {
 return err
}
if err = addSpanRetryLoop(stack, options); err != nil {
 return err
}
if err = addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack,
c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = addOpAssociateLicenseValidationMiddleware(stack); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opAssociateLicense(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err != nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {

```

```

 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err !=
nil {
 return err
}
return nil
}

func newServiceMetadataMiddleware_opAssociateLicense(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "AssociateLicense",
}
}

```

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// Code generated by smithy-go-codegen DO NOT EDIT.

package licensemanager

```
import (
 "context"
 "fmt"
 awsmiddleware "github.com/aws/aws-sdk-go-v2/aws/middleware"
 "github.com/aws/aws-sdk-go-v2/service/licensemanager/types"
 "github.com/aws/smithy-go/middleware"
 smithyhttp "github.com/aws/smithy-go/transport/http"
)
```

// Lists received licenses.

```
func (c *Client) ListReceivedLicenses(ctx context.Context, params *ListReceivedLicensesInput, optFns
...func(*Options)) (*ListReceivedLicensesOutput, error) {
 if params == nil {
 params = &ListReceivedLicensesInput{}
 }

 result, metadata, err := c.invokeOperation(ctx, "ListReceivedLicenses", params, optFns,
c.addOperationListReceivedLicensesMiddlewares)
 if err != nil {
 return nil, err
 }
}
```

```

out := result.(*ListReceivedLicensesOutput)
out.ResultMetadata = metadata
return out, nil
}

```

```

type ListReceivedLicensesInput struct {

```

```

 // Filters to scope the results. The following filters are supported:

```

```

 //

```

```

 // - ProductSKU

```

```

 //

```

```

 // - Status

```

```

 //

```

```

 //

```

```

 // - Fingerprint

```

```

 //

```

```

 // - IssuerName

```

```

 //

```

```

 // - Beneficiary

```

```

 Filters []types.Filter

```

```

 // Amazon Resource Names (ARNs) of the licenses.

```

```

 LicenseArns []string

```

```

 // Maximum number of results to return in a single call.

```

```

 MaxResults *int32

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 noSmithyDocumentSerde

```

```

}

```

```

type ListReceivedLicensesOutput struct {

```

```

 // Received license details.

```

```

 Licenses []types.GrantedLicense

```

```

 // Token for the next set of results.

```

```

 NextToken *string

```

```

 // Metadata pertaining to the operation's result.

```

```

 ResultMetadata middleware.Metadata

```

```

 noSmithyDocumentSerde

```

```

}

```

```

func (c *Client) addOperationListReceivedLicensesMiddlewares(stack *middleware.Stack, options Options) (err

```

```

error) {
 if err := stack.Serialize.Add(&setOperationInputMiddleware{}, middleware.After); err != nil {
 return err
 }
 err = stack.Serialize.Add(&awsAwsjson11_serializeOpListReceivedLicenses{}, middleware.After)
 if err != nil {
 return err
 }
 err = stack.Deserialize.Add(&awsAwsjson11_deserializeOpListReceivedLicenses{},
 middleware.After)
 if err != nil {
 return err
 }
 if err := addProtocolFinalizerMiddlewares(stack, options, "ListReceivedLicenses"); err != nil {
 return fmt.Errorf("add protocol finalizers: %v", err)
 }

 if err = addLegacyEndpointContextSetter(stack, options); err != nil {
 return err
 }
 if err = addSetLoggerMiddleware(stack, options); err != nil {
 return err
 }
 if err = addClientRequestID(stack); err != nil {
 return err
 }
 if err = addComputeContentLength(stack); err != nil {
 return err
 }
 if err = addResolveEndpointMiddleware(stack, options); err != nil {
 return err
 }
 if err = addComputePayloadSHA256(stack); err != nil {
 return err
 }
 if err = addRetry(stack, options); err != nil {
 return err
 }
 if err = addRawResponseToMetadata(stack); err != nil {
 return err
 }
 if err = addRecordResponseTiming(stack); err != nil {
 return err
 }
 if err = addSpanRetryLoop(stack, options); err != nil {
 return err
 }
 if err =

```

```

addClientUserAgent(stack, options); err != nil {
 return err
}
if err = smithyhttp.AddErrorCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = smithyhttp.AddCloseResponseBodyMiddleware(stack); err != nil {
 return err
}
if err = addSetLegacyContextSigningOptionsMiddleware(stack); err != nil {
 return err
}
if err = addTimeOffsetBuild(stack, c); err != nil {
 return err
}
if err = addUserAgentRetryMode(stack, options); err != nil {
 return err
}
if err = stack.Initialize.Add(newServiceMetadataMiddleware_opListReceivedLicenses(options.Region),
middleware.Before); err != nil {
 return err
}
if err = addRecursionDetection(stack); err != nil {
 return err
}
if err = addRequestIDRetrieverMiddleware(stack); err != nil {
 return err
}
if err = addResponseErrorMiddleware(stack); err != nil {
 return err
}
if err = addRequestResponseLogging(stack, options); err != nil {
 return err
}
if err = addDisableHTTPSMiddleware(stack, options); err !=
nil {
 return err
}
if err = addSpanInitializeStart(stack); err != nil {
 return err
}
if err = addSpanInitializeEnd(stack); err != nil {
 return err
}
if err = addSpanBuildRequestStart(stack); err != nil {
 return err
}
if err = addSpanBuildRequestEnd(stack); err != nil {

```

```

return err
}
return nil
}

func newServiceMetadataMiddleware_opListReceivedLicenses(region string)
*awsmiddleware.RegisterServiceMetadata {
return &awsmiddleware.RegisterServiceMetadata{
 Region: region,
 ServiceID: ServiceID,
 OperationName: "ListReceivedLicenses",
}
}
DeleteLicense
Initialize stack step
spanInitializeStart
RegisterServiceMetadata
legacyEndpointContextSetter
SetLogger
OperationInputValidation
spanInitializeEnd
Serialize stack step
spanBuildRequestStart
setOperationInput
ResolveEndpoint
OperationSerializer
Build stack step
ClientRequestID
ComputeContentLength
UserAgent
AddTimeOffsetMiddleware
RecursionDetection
spanBuildRequestEnd
Finalize stack step
ResolveAuthScheme
GetIdentity
ResolveEndpointV2
disableHTTPS
ComputePayloadHash
spanRetryLoop
Retry
RetryMetricsHeader
setLegacyContextSigningOptions
Signing
Deserialize stack step
AddRawResponseToMetadata
ErrorCloseResponseBody
CloseResponseBody

```



```

ResponseErrorWrapper
RequestIDRetriever
OperationDeserializer
AddTimeOffsetMiddleware
RecordResponseTiming
RequestResponseLogger
{
 "smithy": "2.0",
 "metadata": {
 "suppressions": [
 {
 "id": "HttpMethodSemantics",
 "namespace": "*"
 },
 {
 "id": "HttpStatusCodeSemantics",
 "namespace": "*"
 },
 {
 "id": "PaginatedTrait",
 "namespace": "*"
 },
 {
 "id": "HttpHeaderTrait",
 "namespace": "*"
 },
 {
 "id": "HttpUriConflict",
 "namespace": "*"
 },
 {
 "id": "Service",
 "namespace": "*"
 }
]
 },
 "shapes": {
 "com.amazonaws.licensemanager#AWSLicenseManager": {
 "type": "service",
 "version": "2018-08-01",
 "operations": [
 {
 "target": "com.amazonaws.licensemanager#AcceptGrant"
 },
 {
 "target": "com.amazonaws.licensemanager#CheckInLicense"
 }
]
 }
 }
}

```

```

{
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicense"
},
{
 "target": "com.amazonaws.licensemanager#CheckoutLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrant"
},
{
 "target": "com.amazonaws.licensemanager#CreateGrantVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicense"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#CreateLicenseVersion"
},
{
 "target": "com.amazonaws.licensemanager#CreateToken"
},
{
 "target": "com.amazonaws.licensemanager#DeleteGrant"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicense"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#DeleteToken"
},
{
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumption"
}

```

```

},
{
 "target": "com.amazonaws.licensemanager#GetAccessToken"
},
{
 "target": "com.amazonaws.licensemanager#GetGrant"
},
{
 "target": "com.amazonaws.licensemanager#GetLicense"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTask"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#GetLicenseUsage"
},
{
 "target": "com.amazonaws.licensemanager#GetServiceSettings"
},
{
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#ListDistributedGrants"
},
{
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurations"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasks"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenses"
},
{
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource"
}

```

```

},
{
 "target": "com.amazonaws.licensemanager#ListLicenseVersions"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedGrants"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedLicenses"
},
{
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganization"
},
{
 "target": "com.amazonaws.licensemanager#ListResourceInventory"
},
{
 "target": "com.amazonaws.licensemanager#ListTagsForResource"
},
{
 "target": "com.amazonaws.licensemanager#ListTokens"
},
{
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#RejectGrant"
},
{
 "target": "com.amazonaws.licensemanager#TagResource"
},
{
 "target": "com.amazonaws.licensemanager#UntagResource"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfiguration"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator"
},
{
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource"
},
{

```

```

 "target": "com.amazonaws.licensemanager#UpdateServiceSettings"
 }
],
"traits": {
 "aws.api#service": {
 "sdkId": "License Manager",
 "arnNamespace": "license-manager",
 "cloudFormationName": "LicenseManager",
 "cloudTrailEventSource": "licensemanager.amazonaws.com",
 "endpointPrefix": "license-manager"
 },
 "aws.auth#sigv4": {
 "name": "license-manager"
 },
 "aws.protocols#awsJson1_1": {},
 "smithy.api#documentation": "<p>License Manager makes it easier to manage licenses from software vendors across multiple \n Amazon Web Services accounts and on-premises servers.</p>",
 "smithy.api#title": "AWS License Manager",
 "smithy.api#xmlNamespace": {
 "uri": "https://license-manager.amazonaws.com/doc/2018_08_01"
 },
 "smithy.rules#endpointRuleSet": {
 "version": "1.0",
 "parameters": {
 "Region": {
 "builtIn": "AWS::Region",
 "required": false,
 "documentation": "The AWS region used to dispatch the request.",
 "type": "String"
 },
 "UseDualStack": {
 "builtIn": "AWS::UseDualStack",
 "required": true,
 "default": false,
 "documentation": "When true, use the dual-stack endpoint. If the configured endpoint does not support dual-stack, dispatching the request MAY return an error.",
 "type": "Boolean"
 },
 "UseFIPS": {
 "builtIn": "AWS::UseFIPS",
 "required": true,
 "default": false,
 "documentation": "When true, send this request to the FIPS-compliant regional endpoint. If the configured endpoint does not have a FIPS compliant endpoint, dispatching the request will return an error.",
 "type": "Boolean"
 },
 "Endpoint": {

```

```

 "builtIn": "SDK::Endpoint",
 "required": false,
 "documentation": "Override the endpoint used to send this request",
 "type": "String"
 }
},
"rules": [
 {
 "conditions": [
 {
 "fn": "isSet",
 "argv": [
 {
 "ref": "Endpoint"
 }
]
 }
]
 }
],
"type": "tree",
"rules": [
 {
 "conditions": [
 {
 "fn": "booleanEquals",
 "argv": [
 {
 "ref": "UseFIPS"
 },
 true
]
 }
]
 },
 {
 "error": "Invalid Configuration: FIPS and custom endpoint are not supported",
 "type": "error"
 }
],
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"UseFIPS"

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 "fn": "getAttr",
 "argv": [
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 "ref": "PartitionResult"
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]
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]
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```

"supportsDualStack"
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]
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 "headers": {}

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 "conditions": [
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 "properties": {},
 "headers": {}
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 "type": "endpoint"
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 "type": "error"
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 "UseDualStack": false
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 "UseDualStack": false
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 "UseDualStack": false
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"params": {
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 "UseDualStack": false
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 "UseDualStack": false
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 "UseDualStack": false
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 "endpoint": {

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```

 "url": "https://license-manager.me-south-1.amazonaws.com"
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 "UseDualStack": false
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 "UseDualStack": false
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 }
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 "params": {
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 "UseDualStack": false
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 "UseFIPS": false,
 "UseDualStack": false
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 "params": {
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 "UseFIPS": true,
 "UseDualStack": false
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us-west-1 with FIPS disabled and DualStack disabled",
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 "UseDualStack": false
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 "expect": {
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 }
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 }
]
}

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```

 },
 "params": {
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 "UseDualStack": false
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 "params": {
 "Region": "us-west-2",
 "UseFIPS": false,
 "UseDualStack": false
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 "UseDualStack": false
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.us-east-1.api.aws"
 }
 },
 "params": {
 "Region": "us-east-1",
 "UseFIPS": true,
 "UseDualStack": true
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}

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```

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 "expect": {
 "endpoint": {
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 "params": {
 "Region": "us-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "expect": {
 "endpoint": {
 "url":
"https://license-manager.cn-north-1.amazonaws.com.cn"
 }
 },
 "params": {
 "Region": "cn-north-1",
 "UseFIPS": false,
 "UseDualStack": false
 }
 },
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 "expect": {
 "endpoint": {
 "url": "https://license-manager.cn-northwest-1.amazonaws.com.cn"
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 },
 "params": {
 "Region": "cn-northwest-1",
 "UseFIPS": false,
 "UseDualStack": false
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 "expect": {
 "endpoint": {
 "url": "https://license-manager-fips.cn-north-1.api.amazonwebservices.com.cn"
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```

 },
 "params": {
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 "UseDualStack": false
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but this partition does not support DualStack"
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 "UseDualStack": true
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 "expect": {
 "error": "DualStack is enabled but this partition does not support DualStack"
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 "params": {
 "Region": "us-isob-east-1",
 "UseFIPS": false,
 "UseDualStack": true
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 "params": {
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 "UseFIPS": false,
 "UseDualStack": false,
 "Endpoint": "https://example.com"
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disabled",
 "expect": {
 "endpoint": {
 "url": "https://example.com"
 }
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 "params": {
 "UseFIPS": false,

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 "UseDualStack": false,
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 "documentation": "For custom endpoint with fips enabled and dualstack disabled",
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 "UseDualStack": false,
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 "UseFIPS": false,
 "UseDualStack": true,
 "Endpoint": "https://example.com"
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 "expect": {
 "error": "Invalid Configuration: Missing Region"
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"version": "1.0"
}
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"com.amazonaws.licensemanager#AcceptGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#AcceptGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#AcceptGrantResponse"
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 "errors": [
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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
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 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
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 "smithy.api#documentation": "<p>Accepts the specified grant.</p>"
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 "com.amazonaws.licensemanager#AcceptGrantRequest": {
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 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#AcceptGrantResponse": {
 "type": "structure",
 "members": {

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 "GrantArn": {
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 "traits": {
 "smithy.api#documentation": "<p>Grant
ARN.</p>"
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 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
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 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
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 },
 "traits": {
 "smithy.api#output": {}
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 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
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 "aws.protocols#awsQueryError": {
 "code": "ServiceAccessDenied",
 "httpResponseCode": 401
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 "smithy.api#documentation": "<p>Access to resource denied.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 401
 }
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 "com.amazonaws.licensemanager#ActivationOverrideBehavior": {
 "type": "enum",
 "members": {
 "DISTRIBUTED_GRANTS_ONLY": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "DISTRIBUTED_GRANTS_ONLY"
 }
},
"ALL_GRANTS_PERMITTED_BY_ISSUER": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ALL_GRANTS_PERMITTED_BY_ISSUER"
 }
}
},
"com.amazonaws.licensemanager#AllowedOperation": {
 "type": "enum",
 "members": {
 "CREATE_GRANT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateGrant"
 }
 },
 "CHECKOUT_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutLicense"
 }
 },
 "CHECKOUT_BORROW_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckoutBorrowLicense"
 }
 },
 "CHECK_IN_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CheckInLicense"
 }
 },
 "EXTEND_CONSUMPTION_LICENSE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ExtendConsumptionLicense"
 }
 },
 "LIST_PURCHASED_LICENSES": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "ListPurchasedLicenses"
 }
 },
 "CREATE_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "CreateToken"
 }
 }
},
"com.amazonaws.licensemanager#AllowedOperationList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#AllowedOperation"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max":
7
 }
 }
},
"com.amazonaws.licensemanager#Arn": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^arn:aws(-(cn|us-gov|iso-b|iso-c|iso-d))?:[A-Za-z0-9][A-Za-z0-9_/.-]{0,62}:[A-Za-
z0-9_/.-]{0,63}:[A-Za-z0-9_/.-]{0,63}:[A-Za-z0-9][A-Za-z0-9:/+=,@.-]{0,1023}$"
 }
},
"com.amazonaws.licensemanager#ArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 }
},
"com.amazonaws.licensemanager#AuthorizationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 }
}

```

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 },
 "traits": {
 "aws.protocols#awsQueryError":
 {
 "code": "AuthorizationFailure",
 "httpResponseCode": 403
 },
 "smithy.api#documentation": "<p>The Amazon Web Services user account does not have permission to
perform the action. Check the IAM\n policy associated with this account.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 403
 }
},
"com.amazonaws.licensemanager#AutomatedDiscoveryInformation": {
 "type": "structure",
 "members": {
 "LastRunTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time that automated discovery last ran.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes automated discovery.</p>"
 }
},

"com.amazonaws.licensemanager#Boolean": {
 "type": "boolean",
 "traits": {
 "smithy.api#default": false
 }
},

"com.amazonaws.licensemanager#BorrowConfiguration": {
 "type": "structure",
 "members": {
 "AllowEarlyCheckIn": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether early check-ins are allowed.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the borrow configuration, in minutes.</p>",

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 "smithy.api#required": {}
 }
}

},
"traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
}
},
"com.amazonaws.licensemanager#BoxBoolean": {
 "type": "boolean"
},
"com.amazonaws.licensemanager#BoxInteger": {
 "type": "integer"
},
"com.amazonaws.licensemanager#BoxLong": {
 "type": "long"
},
"com.amazonaws.licensemanager#CheckInLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckInLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
}

```



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 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Checks in the specified license. Check in a license when it is no longer
in use.</p>"
 }
},
"com.amazonaws.licensemanager#CheckInLicenseRequest":
{
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckInLicenseResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicense":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse"
 },

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#EntitlementNotAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Checks out the specified license for offline use.</p>"
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseRequest": {
 "type": "structure",
 "members":
{
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The license must

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use the borrow consumption configuration.</p>",
 "smithy.api#required": {}
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements. Partial checkouts are not supported.</p>",
 "smithy.api#required": {}
 }
 },
 "DigitalSignatureMethod": {
 "target": "com.amazonaws.licensemanager#DigitalSignatureMethod",
 "traits": {
 "smithy.api#documentation": "<p>Digital signature method. The possible
value is JSON Web Signature (JWS) algorithm PS384.\n For more information, see RFC 7518 Digital Signature with RSASSA-PSS.</p>",
 "smithy.api#required": {}
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 },
 "CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
"<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CheckoutBorrowLicenseResponse": {
 "type": "structure",
 "members": {

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"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
},
"EntitlementsAllowed":
{
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
},
"NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
},
"SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
},
"IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout
is issued.</p>"
 }
},
"Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout expires.</p>"
 }
},
"CheckoutMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about constraints.</p>"
 }
}

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```

 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CheckoutLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#NoEntitlementsAllowedException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 },

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 "traits": {
 "smithy.api#documentation": "<p>Checks out the specified license.</p>\n <note>\n <p>If the
account that created the license is the same that is performing the check out, you must\n specify the account
as the beneficiary.</p>\n </note>"
 }
 },
 "com.amazonaws.licensemanager#CheckoutLicenseRequest": {
 "type": "structure",
 "members": {
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>",
 "smithy.api#required": {}
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Key fingerprint identifying the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Beneficiary": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
},
"traits": {

"smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#CheckoutLicenseResponse": {
 "type": "structure",
 "members": {
 "CheckoutType": {
 "target": "com.amazonaws.licensemanager#CheckoutType",
 "traits": {
 "smithy.api#documentation": "<p>Checkout type.</p>"
 }
 },
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "EntitlementsAllowed": {
 "target": "com.amazonaws.licensemanager#EntitlementDataList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed license entitlements.</p>"
 }
 },
 "SignedToken": {
 "target": "com.amazonaws.licensemanager#SignedToken",
 "traits": {
 "smithy.api#documentation": "<p>Signed token.</p>"
 }
 },
 "NodeId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Node ID.</p>"
 }
 }
 }
}

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 }
 },
 "IssuedAt": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license checkout is issued.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and
time at which the license checkout expires.</p>"
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the checkout license.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CheckoutType": {
 "type": "enum",
 "members": {
 "PROVISIONAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PROVISIONAL"
 }
 },
 "PERPETUAL": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PERPETUAL"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#ClientRequestToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,

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 "max": 36
 }
}
},
"com.amazonaws.licensemanager#ClientToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 2048
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#ConflictException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ConflictException",
 "httpResponseCode":
409
 },
 "smithy.api#documentation": "<p>There was a conflict processing the request. Try your request
again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 409
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type of the resource consuming a license.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 }
 }
}

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 },

 "traits": {
 "smithy.api#documentation": "<p>Details about license consumption.</p>"
 }
},
"com.amazonaws.licensemanager#ConsumedLicenseSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummary"
 }
},
"com.amazonaws.licensemanager#ConsumptionConfiguration": {
 "type": "structure",
 "members": {
 "RenewType": {
 "target": "com.amazonaws.licensemanager#RenewType",
 "traits": {
 "smithy.api#documentation": "<p>Renewal frequency.</p>"
 }
 },
 "ProvisionalConfiguration": {
 "target": "com.amazonaws.licensemanager#ProvisionalConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "BorrowConfiguration": {
 "target": "com.amazonaws.licensemanager#BorrowConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Details about a borrow configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a consumption configuration.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantResponse"
 },
 "errors": [
 {

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 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Creates a grant for the specified license. A grant shares the use of
license\n entitlements with a specific Amazon Web Services account, an organization, or an\n
organizational unit (OU). For more
information, see <a href='\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Principals": {
 "target": "com.amazonaws.licensemanager#PrincipalArnList",
 "traits": {
 "smithy.api#documentation": "<p>The grant principals. You can specify one of the following as an Amazon Resource Name (ARN):</p>\n \n \n <p>An Amazon Web Services account, which includes only the account specified.</p>\n \n \n <p>An organizational unit (OU), which includes all accounts in the OU.</p>\n \n \n \n <p>An organization, which will include all accounts across your organization.</p>\n \n \n ",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {

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 "smithy.api#documentation": "<p>Grant ARN.</p>"
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#CreateGrantVersion":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateGrantVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified grant. For more information,
see\n <a href=\"https://docs.aws.amazon.com/license-manager/latest/userguide/granted-
licenses.html\">Granted licenses in License Manager in the <i>License Manager User Guide</i>.</p>"
 }
},
"com.amazonaws.licensemanager#CreateGrantVersionRequest": {
 "type": "structure",
 "members": {
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 }
 }
 },
 "smithy.api#required": {}
},
"GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
},
"GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>"
 }
},
"AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations for the grant.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
},

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 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the grant.</p>"
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateGrantVersionResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the grant.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#CreateLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
}

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 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a license configuration.</p>\n <p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), license affinity to host (how long a \n license must be associated with a host), and the number of licenses purchased and used.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension used to track the license inventory.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

```

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 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether hard or soft license enforcement is used. Exceeding a hard limit\n blocks the launch of new instances.</p>"
 }
 },
 "LicenseRules": {
 "target":
"com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules. The syntax is #name=value (for example, #allowedTenancy=EC2-DedicatedHost). The available rules \n vary by dimension, as follows.</p>\n
\n \n <p>\n <code>Cores</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code>\n </p>\n \n \n <p>\n <code>Instances</code> dimension: <code>allowedTenancy</code> |\n <code>maximumCores</code> |\n <code>minimumCores</code> |\n <code>maximumSockets</code> | <code>minimumSockets</code> |\n <code>maximumVcpus</code> | <code>minimumVcpus</code>\n </p>\n \n \n <p>\n <code>Sockets</code> dimension: <code>allowedTenancy</code> |\n <code>licenseAffinityToHost</code> |\n <code>maximumSockets</code> |\n <code>minimumSockets</code>\n </p>\n \n \n <p>\n <code>vCPUs</code> dimension: <code>allowedTenancy</code> |\n <code>honorVcpuOptimization</code> |\n <code>maximumVcpus</code> |\n <code>minimumVcpus</code>\n </p>\n \n \n <p>The unit for <code>licenseAffinityToHost</code> is days and the range is 1 to 180. The possible \n values for <code>allowedTenancy</code> are <code>EC2-Default</code>, <code>EC2-DedicatedHost</code>, and \n <code>EC2-DedicatedInstance</code>. The possible values for <code>honorVcpuOptimization</code> are \n <code>True</code> and <code>False</code>.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the license configuration.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",

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 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConfigurationResponse":
{
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
]
}

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 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Creates a new license conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource you are converting the license type for.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting from. \n\n For the structure of the source license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information that identifies the license type you are converting to. For the structure of the destination license, see Convert a license type using the CLI in the <i>License Manager User Guide</i>.</p>",
 "smithy.api#required": {}
 }
 }
 }
}

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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseConversionTaskForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",

 "traits": {
 "smithy.api#documentation": "<p>The ID of the created license type conversion task.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a report generator.</p>"
}
},
"com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "ReportGeneratorName":
 {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports to generate. The following report types an be
generated:</p>\n \n \n <p>License configuration report - Reports the number and
details of consumed licenses for a license configuration.</p>\n \n \n <p>Resource
report - Reports the tracked licenses and resource consumption for a license configuration.</p>\n \n
",
 "smithy.api#required": {}
 }
 }
},
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>Defines the type of license configuration the report generator
tracks.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated. Reports can be
generated daily, monthly, or weekly.</p>",
 "smithy.api#required": {}
 }
 }
}

```

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 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique,
case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags to add to the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the new report
generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

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 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product
name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region for the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>",
 "smithy.api#required": {}
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 }
}

```



```

 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation":
 "<p>Unique, case-sensitive identifier that you provide to ensure the idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {

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 "smithy.api#documentation": "<p>License status.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#CreateLicenseVersion": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateLicenseVersionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
},

```

```

 "traits": {
 "smithy.api#documentation": "<p>Creates a new version of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target":
"com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>",
 "smithy.api#required": {}
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#Issuer",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the license.</p>",
 "smithy.api#required": {}
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-

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UTC format.</p>",
 "smithy.api#required": {}
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license. Choose a provisional
configuration for workloads\n running with continuous connectivity. Choose a borrow configuration for
workloads with offline\n usage.</p>",
 "smithy.api#required": {}
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>"
 }
 }
}

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 },
 "traits": {

"smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateLicenseVersionResponse": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New version of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output":
 }
 },
 "com.amazonaws.licensemanager#CreateToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#CreateTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#CreateTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
],
 },

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 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Creates a long-lived token.</p>\n <p>A refresh token is a JWT token used to get an access token. With an access token,\n you can call AssumeRoleWithWebIdentity to get role credentials that you can use to \n call License Manager to manage the specified license.</p>"
}
},
"com.amazonaws.licensemanager#CreateTokenRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license. The ARN is mapped to the aud claim of the\n JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the IAM roles to embed in the token.\n License Manager does not check whether the roles are in use.</p>"
 }
 },
 },
 "ExpirationInDays": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {

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 "smithy.api#documentation": "<p>Token expiration, in days, counted from token creation. The
default is 365 days.</p>"
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller to be included in the JWT token. The
data is mapped\nto the amr claim of the JWT token.</p>"
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientToken",
 "traits": {
 "smithy.api#documentation": "<p>Idempotency token, valid for 10 minutes.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#CreateTokenResponse": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
 },
 "TokenType": {
 "target": "com.amazonaws.licensemanager#TokenType",
 "traits": {
 "smithy.api#documentation": "<p>Token type.</p>"
 }
 },
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 }
}

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 }
 },
 "com.amazonaws.licensemanager#DateTime": {
 "type": "timestamp"
 },
 "com.amazonaws.licensemanager#DatetimeRange": {
 "type": "structure",
 "members": {
 "Begin": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Start of the time range.</p>",
 "smithy.api#required": {}
 }
 },
 "End": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>End of the time range.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a time range, in ISO8601-UTC format.</p>"
 }
 },
 "com.amazonaws.licensemanager#DeleteGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes
the specified grant.</p>"
}
},
"com.amazonaws.licensemanager#DeleteGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>The Status reason for the delete request.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Current version of the
grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteGrantResponse": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#ConflictException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse"
 },
},

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified license configuration.</p>\n <p>You cannot delete a license configuration that is in use.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationRequest": {
 "type": "structure",
 "members":

```

```

{
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {

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 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Deletes the specified report generator.</p>\n <p>This action
deletes the report generator, which stops it from generating future reports.\n The action cannot be reversed. It
has no effect on the previous reports from this generator.</p>"
}
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to be
deleted.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "SourceVersion": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Current version of the license.</p>",
 "smithy.api#required":
 {}
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#DeleteLicenseResponse": {
 "type": "structure",
 "members": {
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseDeletionStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "DeletionDate": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date when the license is deleted.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#DeleteToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#DeleteTokenRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#DeleteTokenResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#RedirectException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
],
 "traits": {
 "smithy.api#documentation": "<p>Deletes the specified token. Must be called in the license home
Region.</p>"
 },
 "com.amazonaws.licensemanager#DeleteTokenRequest": {
 "type": "structure",
 "members": {
 "TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#DeleteTokenResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#DigitalSignatureMethod": {
 "type": "enum",
 "members": {
 "JWT_PS384": {
 "target": "smithy.api#Unit",

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```

 "traits": {
 "smithy.api#enumValue": "JWT_PS384"
 }
 },
 "com.amazonaws.licensemanager#Entitlement": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement name.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement resource. Use only
if the unit is None.</p>"
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#Long",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement count. Use if the unit is not None.</p>"
 }
 },
 "Overage": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether overages are allowed.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement unit.</p>",
 "smithy.api#required": {}
 }
 },
 "AllowCheckIn": {
 "target":
"com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether check-ins are allowed.</p>"
 }
 }
 }
 }
}

```



```

 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a resource entitled for use with a license.</p>"
 }
},
"com.amazonaws.licensemanager#EntitlementData": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data name.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement
data value.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement data unit.</p>",
 "smithy.api#required": {}
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Data associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementDataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementData"
 }
},
"com.amazonaws.licensemanager#EntitlementDataUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

"smithy.api#enumValue": "Count"
 }
 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "Gigabytes"
 }
},
"TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
},
"BITS":
{
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
},
"KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits"
 }
},
"MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
},
"GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
},
"TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
}
},
"PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
},
"BYTES_PER_SECOND": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
 },
 "KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
 },
 "MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
 },
 "GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
 },
 "TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes/Second"
 }
 },
 "BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
 },
 "KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
 },
 "MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"Megabits/Second"
 }
 },

```

```

 "GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
 },
 "TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
 },
 "COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
 }
 },
 "com.amazonaws.licensemanager#EntitlementList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Entitlement"
 }
 },
 "com.amazonaws.licensemanager#EntitlementNotAllowedException":
 {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The entitlement is not allowed.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#EntitlementUnit": {
 "type": "enum",
 "members": {
 "COUNT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count"
 }
 }
 }
 }

```

```

 },
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "SECONDS":
 {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Seconds"
 }
 },
 "MICROSECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Microseconds"
 }
 },
 "MILLISECONDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Milliseconds"
 }
 },
 "BYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes"
 }
 },
 "KILOBYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes"
 }
 },
 "MEGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes"
 }
 },
 "GIGABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes"
 }
 }
}

```

```

 }
 },
 "TERABYTES": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabytes"
 }
 },
 "BITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits"
 }
 },
 "KILOBITS": {
 "target": "smithy.api#Unit",
 "traits": {

 "smithy.api#enumValue": "Kilobits"
 }
 },
 "MEGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits"
 }
 },
 "GIGABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits"
 }
 },
 "TERABITS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits"
 }
 },
 "PERCENT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Percent"
 }
 },
 "BYTES_PER_SECOND": {
 "target":

```

```

"smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bytes/Second"
 }
},
"KILOBYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobytes/Second"
 }
},
"MEGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabytes/Second"
 }
},
"GIGABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabytes/Second"
 }
},
"TERABYTES_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {

"smithy.api#enumValue": "Terabytes/Second"
 }
},
"BITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Bits/Second"
 }
},
"KILOBITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Kilobits/Second"
 }
},
"MEGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Megabits/Second"
 }
},

```



```

"GIGABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Gigabits/Second"
 }
},

"TERABITS_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Terabits/Second"
 }
},

"COUNT_PER_SECOND": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Count/Second"
 }
}
},

"com.amazonaws.licensemanager#EntitlementUsage": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Entitlement usage name.</p>",
 "smithy.api#required": {}
 }
 },
 "ConsumedValue": {
 "target": "com.amazonaws.licensemanager#String",

 "traits": {
 "smithy.api#documentation": "<p>Resource usage consumed.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxCount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Maximum entitlement usage count.</p>"
 }
 },
 "Unit": {
 "target": "com.amazonaws.licensemanager#EntitlementDataUnit",
 "traits": {

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```

 "smithy.api#documentation": "<p>Entitlement usage unit.</p>",
 "smithy.api#required": {}
 }
}
},
"traits": {
 "smithy.api#documentation": "<p>Usage associated with an entitlement resource.</p>"
}
},
"com.amazonaws.licensemanager#EntitlementUsageList":
{
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#EntitlementUsage"
 }
},
"com.amazonaws.licensemanager#ExtendLicenseConsumption": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {

```

```

 "smithy.api#documentation": "<p>Extends the expiration date for license consumption.</p>"
 },
 "com.amazonaws.licensemanager#ExtendLicenseConsumptionRequest": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "DryRun": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation": "<p>Checks whether you have the required permissions for the action, without actually making the request. Provides an error response if you do not have the required permissions.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ExtendLicenseConsumptionResponse": {
 "type": "structure",
 "members": {
 "LicenseConsumptionToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License consumption token.</p>"
 }
 },
 "Expiration": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Date and time at which the license consumption expires.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },

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```

"com.amazonaws.licensemanager#FailedDependencyException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 },
 "ErrorCode": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "FailedDependency",
 "httpResponseCode": 424
 },
 "smithy.api#documentation":
 "<p>A dependency required to run the API is missing.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 424
 }
},
"com.amazonaws.licensemanager#Filter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#FilterName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the filter. Filter names are case-sensitive.</p>"
 }
 },
 "Values": {
 "target": "com.amazonaws.licensemanager#FilterValues",
 "traits": {
 "smithy.api#documentation": "<p>The value of the filter, which is case-sensitive. You can only specify one value for the filter.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A filter name and value pair that is used to return more specific results from a\n describe operation. Filters can be used to match a set of resources by specific criteria,\n such as tags, attributes, or IDs.</p>"
 }
},
"com.amazonaws.licensemanager#FilterLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {

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 "target": "com.amazonaws.licensemanager#Message"
 }
},
"traits": {
 "aws.protocols#awsQueryError": {
 "code": "FilterLimitExceeded",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The request uses too many filters or too many filter values.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
}
},
"com.amazonaws.licensemanager#FilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter"
 }
},
"com.amazonaws.licensemanager#FilterName": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValue": {
 "type": "string"
},
"com.amazonaws.licensemanager#FilterValues": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#FilterValue",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#Filters": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Filter",
 "traits": {
 "smithy.api#xmlName": "item"
 }
 }
},
"com.amazonaws.licensemanager#GetAccessToken": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenRequest"
 },

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"output": {
 "target": "com.amazonaws.licensemanager#GetAccessTokenResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets a temporary access token to use with
AssumeRoleWithWebIdentity. Access
tokens\n are valid for one hour.</p>"
 }
},
"com.amazonaws.licensemanager#GetAccessTokenRequest": {
 "type": "structure",
 "members": {
 "Token": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Refresh token, encoded as a JWT token.</p>",
 "smithy.api#required": {}
 }
 },
 "TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token properties to validate against those present in the JWT
token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},

```

```

"com.amazonaws.licensemanager#GetAccessTokenResponse":
{
 "type": "structure",
 "members": {
 "AccessToken": {
 "target": "com.amazonaws.licensemanager#TokenString",
 "traits": {
 "smithy.api#documentation": "<p>Temporary access token.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetGrantRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {

```

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 "smithy.api#documentation": "<p>Gets detailed information about the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#GetGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 }
},
"traits": {
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#GetGrantResponse": {
 "type": "structure",
 "members": {
 "Grant": {
 "target": "com.amazonaws.licensemanager#Grant",
 "traits": {
 "smithy.api#documentation": "<p>Grant details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicense": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseResponse"
 },
 "errors": [

```



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 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license.</p>"
}
},
"com.amazonaws.licensemanager#GetLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

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],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the specified license
configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID for the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 }
 }
 }
}

```

```

 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension for which the licenses are counted.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",

 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Sets the number of available licenses as a hard limit.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses assigned to resources.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License configuration status.</p>"
 }
 },
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the owner of the license configuration.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",

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 "traits": {
 "smithy.api#documentation": "<p>Summaries of the licenses consumed by resources.</p>"
 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries of the managed resources.</p>"
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags for the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When
true, disassociates a resource when software is uninstalled.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseConversionTask": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseConversionTaskResponse"
 },
 },

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"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets information about the specified license type conversion task.</p>"
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskRequest": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task to retrieve information on.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseConversionTaskResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>ID of the license type conversion task.</p>"
 }
 }
 },
 "ResourceArn": {

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 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the resources the license
conversion task is associated with.</p>"
 }
 },
 "SourceLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the license type converted from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type converted to.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license type conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was started .</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Amount of time to complete the license type conversion.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time at which the license type conversion task was

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completed.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#GetLicenseManagerReportGenerator":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Gets information about the specified report generator.</p>"
 }
},

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```

"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorRequest": {
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>",
 "smithy.api#required": true
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseManagerReportGeneratorResponse": {
 "type": "structure",
 "members": {
 "ReportGenerator": {
 "target": "com.amazonaws.licensemanager#ReportGenerator",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#GetLicenseRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": true
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 }
}

```



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 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseResponse": {
 "type": "structure",
 "members": {
 "License": {
 "target": "com.amazonaws.licensemanager#License",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsage": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetLicenseUsageResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
]
 }
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Gets detailed information about the usage of the specified license.</p>"
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#GetLicenseUsageResponse": {
 "type": "structure",
 "members": {
 "LicenseUsage": {
 "target":
"com.amazonaws.licensemanager#LicenseUsage",
 "traits": {
 "smithy.api#documentation": "<p>License usage details.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#GetServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#GetServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {

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 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Gets the License Manager settings for the current Region.</p>"
}
},
"com.amazonaws.licensemanager#GetServiceSettingsRequest": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#GetServiceSettingsResponse": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Regional S3 bucket path for storing reports, license trail event data,
discovery data,\n and so on.</p>"
 }
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>SNS topic configured to receive notifications from License
Manager.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Indicates whether Organizations is integrated with License
Manager for\n cross-account discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {

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 "smithy.api#documentation": "<p>Indicates whether cross-account discovery is enabled.</p>"
 },
 "LicenseManagerResourceShareArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource share. The License
Manager management account \n provides member accounts with access to this share.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 },
 "com.amazonaws.licensemanager#Grant": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant name.</p>",
 "smithy.api#required": {}
 }
 },
 "ParentArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Parent ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>License ARN.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },

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 "GranteePrincipalArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The grantee principal ARN.</p>",
 "smithy.api#required": {}
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the grant.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantStatus": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>",
 "smithy.api#required": {}
 }
 },
 "StatusReason": {
 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Grant status reason.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>",
 "smithy.api#required": {}
 }
 },
 "GrantedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Granted operations.</p>",
 "smithy.api#required": {}
 }
 },
 "Options": {
 "target": "com.amazonaws.licensemanager#Options",
 "traits": {
 "smithy.api#documentation": "<p>The options specified for the grant.</p>"
 }
 }
 }

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 },
 "traits": {
 "smithy.api#documentation":
"<p>Describes a grant.</p>"
 }
 },
 "com.amazonaws.licensemanager#GrantList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Grant"
 }
 },
 "com.amazonaws.licensemanager#GrantStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 }
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",

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 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 },
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 },
 "WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
 }
},
"com.amazonaws.licensemanager#GrantedLicense": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>Granted license issuer.</p>"
 }
 },
 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Home Region of the granted license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>Granted license status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the granted license is valid, in ISO8601-UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Granted license beneficiary.</p>"
 }
 },
 "Entitlements": {
 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 }
}

```



```

 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Granted license metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Creation time of the granted license.</p>"
 }
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Version of the granted license.</p>"
 }
 },
 "ReceivedMetadata": {
 "target": "com.amazonaws.licensemanager#ReceivedMetadata",
 "traits": {
 "smithy.api#documentation": "<p>Granted license received metadata.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes a license that is granted to a grantee.</p>"
 },
 "com.amazonaws.licensemanager#GrantedLicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#GrantedLicense"
 }
 },
 "com.amazonaws.licensemanager#ISO8601DateTime":
 {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^(-(?:[1-9][0-9]*)?[0-9]{4})-(1[0-2]|0[1-9])-(3[0-1]|0[1-9]|[1-2][0-9])T(2[0-3]|[0-1][0-9]):([0-5][0-9]):([0-5][0-9])(\\.([0-9]+)?(?:Z|[-+](?:2[0-3]|[0-1][0-9]):[0-5][0-9])+$"
 }
 }

```

```

 },
 "com.amazonaws.licensemanager#Integer": {
 "type": "integer"
 },
 "com.amazonaws.licensemanager#InvalidParameterValueException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidParameterValueProvided",
 "httpResponseCode": 400
 },
 "smithy.api#documentation":
 "<p>One or more parameter values are not valid.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InvalidResourceStateException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResourceState",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>License Manager cannot allocate a license to a resource because of its
state. </p>\n <p>For example, you cannot allocate a license to an instance in the process of shutting\n
down.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#InventoryFilter": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

```

```

 "smithy.api#documentation": "<p>Name of the filter.</p>",
 "smithy.api#required": {}
 },
 "Condition": {
 "target": "com.amazonaws.licensemanager#InventoryFilterCondition",
 "traits": {
 "smithy.api#documentation": "<p>Condition of the filter.</p>",
 "smithy.api#required": {}
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Value of the filter.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>An inventory filter.</p>"
},
"com.amazonaws.licensemanager#InventoryFilterCondition": {
 "type": "enum",
 "members": {
 "EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EQUALS"
 }
 },
 "NOT_EQUALS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "NOT_EQUALS"
 }
 },
 "BEGINS_WITH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "BEGINS_WITH"
 }
 },
 "CONTAINS": {
 "target": "smithy.api#Unit",
 "traits": {

```

```

 "smithy.api#enumValue": "CONTAINS"
 }
 }
 },
 "com.amazonaws.licensemanager#InventoryFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#InventoryFilter"
 }
 },
 "com.amazonaws.licensemanager#Issuer": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>",
 "smithy.api#required": {}
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage
of sign and verify, \n and support the RSASSA-PSS SHA-256 signing algorithm.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the issuer of a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#IssuerDetails": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer name.</p>"
 }
 },
 "SignKey": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Asymmetric KMS key from Key Management Service. The KMS
key must have a key usage of sign and verify, \n and support the RSASSA-PSS SHA-256 signing

```

```

algorithm.</p>"
 }
 },
 "KeyFingerprint": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Issuer key fingerprint.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details associated with the issuer of a license.</p>"
 }
},
"com.amazonaws.licensemanager#License": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
 },
 "LicenseName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License name.</p>"
 }
 },
 "ProductName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product name.</p>"
 }
 },
 "ProductSKU": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Product SKU.</p>"
 }
 },
 "Issuer": {
 "target": "com.amazonaws.licensemanager#IssuerDetails",
 "traits": {
 "smithy.api#documentation": "<p>License issuer.</p>"
 }
 }
 },

```

```

 "HomeRegion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {

 "smithy.api#documentation": "<p>Home Region of the license.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseStatus",
 "traits": {
 "smithy.api#documentation": "<p>License status.</p>"
 }
 },
 "Validity": {
 "target": "com.amazonaws.licensemanager#DatetimeRange",
 "traits": {
 "smithy.api#documentation": "<p>Date and time range during which the license is valid, in ISO8601-
UTC format.</p>"
 }
 },
 "Beneficiary": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License beneficiary.</p>"
 }
 },
 "Entitlements": {

 "target": "com.amazonaws.licensemanager#EntitlementList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlements.</p>"
 }
 },
 "ConsumptionConfiguration": {
 "target": "com.amazonaws.licensemanager#ConsumptionConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Configuration for consumption of the license.</p>"
 }
 },
 "LicenseMetadata": {
 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>License metadata.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {

```

```

 "smithy.api#documentation": "<p>License
creation time.</p>"
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>License version.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Software license that is managed in License Manager.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfiguration": {
 "type": "structure",
 "members": {
 "LicenseConfigurationId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Unique ID of the license configuration.</p>"
 }
 },
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the license configuration.</p>"
 }
 },
 "LicenseCountingType": {
 "target": "com.amazonaws.licensemanager#LicenseCountingType",
 "traits": {
 "smithy.api#documentation": "<p>Dimension to use to track the license inventory.</p>"
 }
 },
 },
 },

```

```

"LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>License rules.</p>"
 }
},
"LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses managed by the license configuration.</p>"
 }
},
"LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Number of available licenses as a hard limit.</p>"
 }
},
"DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
},
"ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed. </p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the license configuration.</p>"
 }
},
"OwnerAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Account ID of the license configuration's owner.</p>"
 }
},
"ConsumedLicenseSummaryList": {
 "target": "com.amazonaws.licensemanager#ConsumedLicenseSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for licenses consumed by various resources.</p>"
 }
}

```



```

 }
 },
 "ManagedResourceSummaryList": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummaryList",
 "traits": {
 "smithy.api#documentation": "<p>Summaries for managed resources.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",
 "traits": {
 "smithy.api#documentation": "<p>Product information.</p>"
 }
 },
 "AutomatedDiscoveryInformation": {
 "target": "com.amazonaws.licensemanager#AutomatedDiscoveryInformation",
 "traits": {
 "smithy.api#documentation": "<p>Automated discovery information.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>A license configuration is an abstraction of a customer license agreement that can be\n consumed and enforced by License Manager. Components include specifications for the license\n type (licensing by instance, socket, CPU, or vCPU), allowed tenancy (shared tenancy, \n Dedicated Instance, Dedicated Host, or all of these), host affinity (how long a VM\n must be associated with a host), and the number of licenses purchased and used.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociation": {
 "type": "structure",
 "members": {
 "ResourceArn":
 {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of server resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the resource
consuming licenses.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {

"smithy.api#documentation": "<p>Time when the license configuration was associated with the resource.</p>"
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes an association with a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConfigurationAssociations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociation"
 }
 },
 "com.amazonaws.licensemanager#LicenseConfigurationStatus": {
 "type": "enum",
 "members":
 {
 "AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
 }
 }
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsage": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the resource.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 },
 "AssociationTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Time when the license configuration was initially associated with
the resource.</p>"
 }
 },
 "ConsumedLicenses": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of licenses consumed by the resource.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about the usage of a resource associated with a license
configuration.</p>"
 }
 },

```

```

"com.amazonaws.licensemanager#LicenseConfigurationUsageList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsage"
 }
},
"com.amazonaws.licensemanager#LicenseConfigurations": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConfiguration"
 }
},
"com.amazonaws.licensemanager#LicenseConversionContext": {
 "type": "structure",
 "members": {
 "UsageOperation": {
 "target": "com.amazonaws.licensemanager#UsageOperation",
 "traits": {
 "smithy.api#documentation": "<p>The Usage operation value that corresponds to the license type you
are converting your resource from. For more information about which platforms correspond to which usage
operation values see <a href='\"https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/billing-info-
fields.html#billing-info\">Sample data: usage operation by platform\\n \\n </p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseConversionTask": {
 "type": "structure",
 "members": {
 "LicenseConversionTaskId": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskId",
 "traits": {
 "smithy.api#documentation": "<p>The ID of the license type conversion task.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the resource associated
with the license type\\n conversion task.</p>"
 }
 }
 },
 "SourceLicenseContext": {

```

```

 "target": "com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
from.</p>"
 }
 },
 "DestinationLicenseContext": {
 "target":
"com.amazonaws.licensemanager#LicenseConversionContext",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license type this conversion task converted
to.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTaskStatus",
 "traits": {
 "smithy.api#documentation": "<p>The status of the conversion task.</p>"
 }
 },
 "StatusMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The status message for the conversion task.</p>"
 }
 },
 "StartTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation":
"<p>The time the conversion task was started at.</p>"
 }
 },
 "LicenseConversionTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the usage operation value of the resource was
changed.</p>"
 }
 },
 "EndTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>The time the conversion task was completed.</p>"
 }
 },
 "traits": {

```

```

 "smithy.api#documentation": "<p>Information about a license type conversion task.</p>"
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskId": {
 "type": "string",
 "traits": {

 "smithy.api#length": {
 "min": 0,
 "max": 50
 },
 "smithy.api#pattern": "^\\p{L}t-[a-zA-Z0-9]*$"
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTaskStatus": {
 "type": "enum",
 "members": {
 "IN_PROGRESS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "IN_PROGRESS"
 }
 },
 "SUCCEEDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUCCEEDED"
 }
 },
 "FAILED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "FAILED"
 }
 }
 }
 },
 "com.amazonaws.licensemanager#LicenseConversionTasks": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTask"
 }
 },
 "com.amazonaws.licensemanager#LicenseCountingType": {
 "type": "enum",
 "members": {
 "VCPU": {

```

```

 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "vCPU"
 }
 },
 "INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Instance"
 }
 },
 "CORE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Core"
 }
 },
 "SOCKET": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Socket"
 }
 }
},
"com.amazonaws.licensemanager#LicenseDeletionStatus": {
 "type": "enum",
 "members": {
 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
},
"com.amazonaws.licensemanager#LicenseList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#License"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseOperationFailure": {

 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Resource type.</p>"
 }
 },
 "ErrorMessage": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Error message.</p>"
 }
 },
 "FailureTime": {
 "target": "com.amazonaws.licensemanager#DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Failure time.</p>"
 }
 },
 "OperationName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the operation.</p>"
 }
 },
 "ResourceOwnerId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the Amazon Web Services account that owns the
resource.</p>"
 }
 },
 "OperationRequestedBy": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The requester is \"License Manager Automated Discovery\".</p>"
 }
 }
 }
}

```



```

"MetadataList": {

 "target": "com.amazonaws.licensemanager#MetadataList",
 "traits": {
 "smithy.api#documentation": "<p>Reserved.</p>"
 }
},
"traits": {
 "smithy.api#documentation": "<p>Describes the failure of a license operation.</p>"
},
"com.amazonaws.licensemanager#LicenseOperationFailureList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailure"
 }
},
"com.amazonaws.licensemanager#LicenseSpecification": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",

 "smithy.api#required": {}
 }
 },
 "AmiAssociationScope": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Scope of AMI associations. The possible value is <code>cross-
account</code>.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details for associating a license configuration with a resource.</p>"
 }
},
"com.amazonaws.licensemanager#LicenseSpecifications": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#LicenseSpecification"
 }
},

```

```

"com.amazonaws.licensemanager#LicenseStatus": {
 "type": "enum",
 "members": {
 "AVAILABLE": {
 "target": "smithy.api#Unit",

 "traits": {
 "smithy.api#enumValue": "AVAILABLE"
 }
 },
 "PENDING_AVAILABLE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_AVAILABLE"
 }
 },
 "DEACTIVATED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DEACTIVATED"
 }
 },
 "SUSPENDED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SUSPENDED"
 }
 },
 "EXPIRED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EXPIRED"
 }
 },

 "PENDING_DELETE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_DELETE"
 }
 },
 "DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
 }
 }
}

```

```

 },
 "com.amazonaws.licensemanager#LicenseUsage": {
 "type": "structure",
 "members": {
 "EntitlementUsages": {
 "target": "com.amazonaws.licensemanager#EntitlementUsageList",
 "traits": {
 "smithy.api#documentation": "<p>License entitlement usages.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes the entitlement usage associated with a license.</p>"
 }
 },
 "com.amazonaws.licensemanager#LicenseUsageException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "LicenseUsageFailure",
 "httpResponseCode": 412
 },
 "smithy.api#documentation": "<p>You do not have enough licenses available to support a new resource launch.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 412
 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
 }
 }

```

```

 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the resource associations for the
specified license configuration.</p>\n <p>Resource associations need not consume licenses from a license
configuration. \n For example, an AMI or a stopped instance might not consume a license (depending on \n
the license rules).</p>"
}
},
"com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results
to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListAssociationsForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurationAssociations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationAssociations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the associations for the license configuration.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListDistributedGrantsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
 }
 }
}

```

```

 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants distributed for the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListDistributedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranteePrincipalARN</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}

```

```

 }
 },
 "com.amazonaws.licensemanager#ListDistributedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",

"traits": {
 "smithy.api#documentation": "<p>Distributed grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
]
}

```

```

],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configuration operations that failed.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListFailuresForLicenseConfigurationOperationsResponse":
{
 "type": "structure",
 "members": {
 "LicenseOperationFailureList": {
 "target": "com.amazonaws.licensemanager#LicenseOperationFailureList",
 "traits": {
 "smithy.api#documentation": "<p>License configuration operations that failed.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 }
}

```



```

 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurations": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest"
 },

 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license configurations
for your account.</p>"
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the license
configurations.</p>"
 }
 }
 }
 }
}

```

```

 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next
set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>licenseCountingType</code> - The dimension for which licenses are counted.\n Possible values are
 <code>vCPU</code> | <code>Instance</code> | <code>Core</code> | <code>Socket</code>.\n Logical
 operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>enforceLicenseCount</code> - A Boolean value that indicates whether hard license
 enforcement is used. \n Logical operators are <code>EQUALS</code> |
 <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>usagelimitExceeded</code> - A Boolean value that
 indicates whether the available licenses have been exceeded. \n Logical operators are
 <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n "
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseConfigurationsResponse": {
 "type": "structure",
 "members": {
 "LicenseConfigurations": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurations",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",

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 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasks": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the license type conversion tasks for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseConversionTasksRequest": {
 "type": "structure",
 "members": {
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {

```

```

 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {

"smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>\n Filters to scope the results. Valid filters are
<code>ResourceArns</code> and <code>Status</code>.\n </p>"
 }
 }
},
 "traits": {
 "smithy.api#input": {}
 }
},
 "com.amazonaws.licensemanager#ListLicenseConversionTasksResponse": {
 "type": "structure",
 "members": {
 "LicenseConversionTasks": {
 "target": "com.amazonaws.licensemanager#LicenseConversionTasks",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configuration tasks for your
account.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGenerators": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target":
"com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the report generators for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsRequest":
{
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:
</p>\n \n \n <p>\n <code>LicenseConfigurationArn</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },

```

```

 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits":
 {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListLicenseManagerReportGeneratorsResponse": {
 "type": "structure",
 "members": {
 "ReportGenerators": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorList",
 "traits": {
 "smithy.api#documentation": "<p>A report generator that creates periodic reports about your license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 }
]
 }
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Describes the license configurations for the specified resource.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of a resource that has an
associated license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {
 "LicenseSpecifications": {

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```

 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>License configurations associated with a resource.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
},
"traits": {
 "smithy.api#output": {}
}
},
"com.amazonaws.licensemanager#ListLicenseVersions": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicenseVersionsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all versions of the specified license.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicenseVersionsRequest": {
 "type": "structure",
 "members": {

```



```

"LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>",
 "smithy.api#required": {}
 }
},
"NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
},
"MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
},
"traits": {
 "smithy.api#input": {}
},
"com.amazonaws.licensemanager#ListLicenseVersionsResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListLicenses": {
 "type": "operation",
 "input": {

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```

 "target": "com.amazonaws.licensemanager#ListLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses for your account.</p>"
 }
},
"com.amazonaws.licensemanager#ListLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 }
 },

 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>Fingerprint</code>\n </p>\n \n \n <p>\n <code>Status</code>\n </p>\n \n "
 }
 }
}

```

```

 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token
for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#LicenseList",
 "traits": {
 "smithy.api#documentation": "<p>License details.</p>"
 }
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrants": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsResponse"
 }
 },

```

```

"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists grants that are received. Received grants are grants created while specifying the\n recipient as this Amazon Web Services account, your organization, or an organizational unit\n (OU) to which this member account belongs.</p>"
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganization": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the grants received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationRequest": {
 "type": "structure",
 "members": {
 "LicenseArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Resource Name (ARN) of the received license.</p>",
 "smithy.api#required": {}
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n
 \n
 \n
 <p>\n
 <code>ParentArn</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>GranteePrincipalArn</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsForOrganizationResponse":
 {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Lists the grants the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedGrantsRequest": {
 "type": "structure",
 "members": {
 "GrantArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the grants.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n \n <p>\n <code>LicenseIssuerName</code>\n </p>\n \n \n <p>\n <code>LicenseArn</code>\n </p>\n \n \n <p>\n <code>GrantStatus</code>\n </p>\n \n \n <p>\n <code>GranterAccountId</code>\n </p>\n \n "
 }
 },
 "NextToken": {

```

```

 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedGrantsResponse": {
 "type": "structure",
 "members": {
 "Grants": {
 "target": "com.amazonaws.licensemanager#GrantList",
 "traits": {
 "smithy.api#documentation": "<p>Received grant details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicenses": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists received licenses.</p>"
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganization":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists the licenses received for all accounts in the organization.</p>"
}
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationRequest": {
 "type": "structure",
 "members": {
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are
supported:</p>\n \n \n <p>\n <code>Beneficiary</code>\n </p>\n \n \n <p>\n <code>ProductSKU</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesForOrganizationResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Lists the licenses the organization has received.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListReceivedLicensesRequest": {
 "type": "structure",
 "members": {
 "LicenseArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARNs) of the licenses.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters are supported:</p>\n
 \n
 \n
 <p>\n
 <code>ProductSKU</code>\n
 \n
 \n
 <p>\n
 <code>Status</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>Fingerprint</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>IssuerName</code>\n
 </p>\n
 \n
 \n
 <p>\n
 <code>Beneficiary</code>\n
 </p>\n
 \n
 "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 }
 }
}

```

```

 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#ListReceivedLicensesResponse": {
 "type": "structure",
 "members": {
 "Licenses": {
 "target": "com.amazonaws.licensemanager#GrantedLicenseList",
 "traits": {
 "smithy.api#documentation": "<p>Received license details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#ListResourceInventory": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListResourceInventoryResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FailedDependencyException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 },
 {

```

```

 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists resources managed using Systems Manager inventory.</p>"
}
},
"com.amazonaws.licensemanager#ListResourceInventoryRequest": {
 "type": "structure",
 "members": {
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#InventoryFilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>account_id</code>
- The ID of the Amazon Web Services account that owns the resource.\n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>application_name</code> - The name of the
application. \n Logical operators are <code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>license_included</code> - The type of license included. \n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.\n Possible values
are <code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-
server-web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>\n <code>platform</code> - The platform of the resource.\n Logical operators are
<code>EQUALS</code> | <code>BEGINS_WITH</code>.</p>\n \n \n <p>\n <code>resource_id</code> - The ID of the resource. \n Logical operators are
<code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>tag:<key></code> - The key/value combination of a tag assigned \n to the resource. Logical
operators are <code>EQUALS</code> (single account) or\n <code>EQUALS</code> |
<code>NOT_EQUALS</code> (cross account).</p>\n \n "
 }
 }
 }
}

```

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListResourceInventoryResponse": {
 "type": "structure",
 "members": {
 "ResourceInventoryList": {
 "target": "com.amazonaws.licensemanager#ResourceInventoryList",
 "traits": {
 "smithy.api#documentation": "<p>Information
about the resources.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTagsForResourceResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 }
]
}

```

```

 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists the tags for the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTagsForResourceResponse": {
 "type": "structure",
 "members": {
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the tags.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListTokens": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListTokensRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListTokensResponse"
 },

```

```

"errors":
[
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Lists your tokens.</p>"
}
},
"com.amazonaws.licensemanager#ListTokensRequest": {
 "type": "structure",
 "members": {
 "TokenIds": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Token IDs.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#FilterList",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filter is supported:</p>\n
\n \n <p>\n <code>LicenseArns</code>\n </p>\n \n "
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#MaxSize100",

```

```

 "traits": {
 "smithy.api#documentation":
 "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#ListTokensResponse": {
 "type": "structure",
 "members": {
 "Tokens": {
 "target": "com.amazonaws.licensemanager#TokenList",
 "traits": {
 "smithy.api#documentation": "<p>Received token details.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#ListUsageForLicenseConfiguration":
{
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#FilterLimitExceededException"
 }
]
}

```



```

 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Lists all license usage records for a license configuration, displaying
license\n consumption details by resource at a selected point in time. Use this action to audit the\n current
license consumption for any license inventory and configuration.</p>"
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "MaxResults": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum number of results to return in a single call.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 },
 "Filters": {
 "target": "com.amazonaws.licensemanager#Filters",
 "traits": {
 "smithy.api#documentation": "<p>Filters to scope the results. The following filters and logical
operators\n are supported:</p>\n \n \n <p>\n <code>resourceArn</code> - The ARN of the license configuration resource.\n Logical operators are <code>EQUALS</code> | <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>resourceType</code> - The resource type

```

(`EC2_INSTANCE` | `EC2_HOST` | `EC2_AMI` | `SYSTEMS_MANAGER_MANAGED_INSTANCE`). \n Logical operators are `EQUALS` | `NOT_EQUALS`.

`resourceAccount` - The ID of the account that owns the resource. \n Logical operators are `EQUALS` | `NOT_EQUALS`.

```

 }
 },
 "traits": {
 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#ListUsageForLicenseConfigurationResponse": {
 "type": "structure",
 "members": {

 "LicenseConfigurationUsageList": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationUsageList",
 "traits": {
 "smithy.api#documentation": "<p>Information about the license configurations.</p>"
 }
 },
 "NextToken": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token for the next set of results.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#Location": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Long": {
 "type": "long"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummary": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource associated with a license.</p>"
 }
 }
 }
 }
}

```

```

 },
 "AssociationCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>Number of resources associated with licenses.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Summary information about a managed resource.</p>"
 },
 "com.amazonaws.licensemanager#ManagedResourceSummaryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ManagedResourceSummary"
 }
 },
 "com.amazonaws.licensemanager#MaxSize100": {
 "type": "integer",
 "traits": {
 "smithy.api#range": {
 "min": 1,
 "max": 100
 }
 }
 },
 "com.amazonaws.licensemanager#MaxSize3StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 },
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 3
 }
 }
 },
 "com.amazonaws.licensemanager#Message": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#Metadata": {
 "type": "structure",
 "members": {
 "Name": {
 "target": "com.amazonaws.licensemanager#String",

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```

 "traits": {
 "smithy.api#documentation": "<p>The key name.</p>"
 }
 },

 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes key/value pairs.</p>"
 },
 "com.amazonaws.licensemanager#MetadataList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Metadata"
 }
 },
 "com.amazonaws.licensemanager#NoEntitlementsAllowedException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>There are no entitlements found for this license, or the entitlement
maximum count is reached.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
 },
 "com.amazonaws.licensemanager#Options": {
 "type": "structure",
 "members": {
 "ActivationOverrideBehavior": {
 "target": "com.amazonaws.licensemanager#ActivationOverrideBehavior",
 "traits": {
 "smithy.api#documentation": "<p>An activation option for your grant that determines the behavior of
activating a grant.\n Activation options can only be used with granted licenses sourced from the Amazon Web
Services Marketplace. Additionally, the operation must specify the value of <code>ACTIVE</code> for the\n
<code>Status</code> parameter.</p>\n \n \n <p>As a license administrator, you can
optionally specify an\n <code>ActivationOverrideBehavior</code> when activating a grant.</p>\n

```

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 \n \n <p>As a grantor, you can optionally specify an\n
 <code>ActivationOverrideBehavior</code> when you activate a grant for a grantee\n
 account in your organization.</p>\n \n \n <p>As a grantee, if the grantor creating the distributed
 grant doesnt specify an\n <code>ActivationOverrideBehavior</code>, you can optionally specify one
 when you\n are activating the grant.</p>\n \n\n<dl>\n
<dt>DISTRIBUTED_GRANTS_ONLY</dt>\n <dd>\n <p>Use this value to activate a grant
 without replacing any member accounts\n active grants for the same product.</p>\n </dd>\n
<dt>ALL_GRANTS_PERMITTED_BY_ISSUER</dt>\n <dd>\n <p>Use this value to activate a
 grant and disable other active grants in any\n member accounts
 for the same product. This action will also replace their\n previously activated grants with this activated
 grant.</p>\n </dd>\n</dl>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The options you can specify when you create a new version of a grant,
 such as activation\n override behavior. For more information, see Granted licenses in
 License Manager in the <i>License Manager User Guide</i>.</p>"
 }
 },
 "com.amazonaws.licensemanager#OrganizationConfiguration": {
 "type": "structure",
 "members": {
 "EnableIntegration": {
 "target": "com.amazonaws.licensemanager#Boolean",
 "traits": {
 "smithy.api#default": false,
 "smithy.api#documentation":
 "<p>Enables Organizations integration.</p>",
 "smithy.api#required": {}
 }
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Configuration information for Organizations.</p>"
 }
 },
 "com.amazonaws.licensemanager#PrincipalArnList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Arn"
 },
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 1
 }
 }
 }
}

```

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 }
 },
 "com.amazonaws.licensemanager#ProductInformation": {
 "type": "structure",
 "members": {
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Resource type. The
possible values are <code>SSM_MANAGED</code> | <code>RDS</code>.</p>",
 "smithy.api#required": {}
 }
 },
 },
 "ProductInformationFilterList": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilterList",
 "traits": {
 "smithy.api#documentation": "<p>A Product information filter consists of a
<code>ProductInformationFilterComparator</code> which is a logical operator, a
<code>ProductInformationFilterName</code> which specifies the type of filter being declared, and a
<code>ProductInformationFilterValue</code> that specifies the value to filter on. </p>\n <p>Accepted values
for <code>ProductInformationFilterName</code> are listed here along with descriptions and valid options for
<code>ProductInformationFilterComparator</code>.</p>\n <p>The following filters and are supported when
the resource type \n is <code>SSM_MANAGED</code>:</p>\n
 \n \n <p>\n <code>Application Name</code> - The name of the
application.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Publisher</code> - The publisher of the application.\n Logical
operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Application Version</code> - The version of the application.\n Logical operator is
<code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform
Name</code> - The name of the platform.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Platform Type</code> - The platform type.\n Logical operator is <code>EQUALS</code>.</p>\n \n \n <p>\n <code>Tag:key</code> - The key of a tag attached to an
Amazon Web Services resource you wish to exclude from automated discovery. Logical operator is
<code>NOT_EQUALS</code>. The key for your tag must be appended to <code>Tag:</code> following the
example: <code>Tag:name-of-your-key</code>. <code>ProductInformationFilterValue</code> is optional if you
are not using values for the key.\n </p>\n \n \n <p>\n <code>AccountId</code> - The 12-digit ID of an Amazon Web Services account you wish to exclude from
automated discovery.\n Logical operator is <code>NOT_EQUALS</code>.</p>\n \n \n <p>\n <code>License Included</code> - The type of license included.\n Logical
operators are <code>EQUALS</code> and <code>NOT_EQUALS</code>.\n Possible values are:
<code>sql-server-enterprise</code> | \n <code>sql-server-standard</code> | \n <code>sql-server-
web</code> | \n <code>windows-server-datacenter</code>.</p>\n \n \n <p>The following filters and logical operators are supported when the resource type\n is
<code>RDS</code>:</p>\n \n \n <p>\n <code>Engine Edition</code> -
The edition of the database engine.\n Logical operator is <code>EQUALS</code>.\n Possible
values are: <code>oracle-ee</code> | <code>oracle-se</code> | <code>oracle-se1</code> | <code>oracle-
se2</code>.</p>\n \n \n <p>\n <code>License Pack</code> - The license

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pack.\n Logical operator is <code>EQUALS</code>.\n Possible values are: <code>data
guard</code> | \n <code>diagnostic pack sqlt</code> | \n
 <code>tuning pack sqlt</code> | \n <code>ols</code> | \n <code>olap</code>.</p>\n
\n >",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#ProductInformationFilter": {
 "type": "structure",
 "members": {
 "ProductInformationFilterName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Filter name.</p>",
 "smithy.api#required": {}
 }
 },
 "ProductInformationFilterValue": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>Filter value.</p>"
 }
 },
 "ProductInformationFilterComparator": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Logical operator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describes product information filters.</p>"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationFilterList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformationFilter"
 }
 },
 "com.amazonaws.licensemanager#ProductInformationList": {

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 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ProductInformation"
 }
 },
 "com.amazonaws.licensemanager#ProvisionalConfiguration": {
 "type": "structure",
 "members": {
 "MaxTimeToLiveInMinutes": {
 "target": "com.amazonaws.licensemanager#BoxInteger",
 "traits": {
 "smithy.api#documentation": "<p>Maximum time for the provisional configuration, in minutes.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a provisional configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#RateLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "RateLimitExceeded",
 "httpResponseCode": 429
 },
 "smithy.api#documentation": "<p>Too many requests have been submitted. Try again after a brief wait.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 429
 }
 },
 "com.amazonaws.licensemanager#ReceivedMetadata": {
 "type": "structure",
 "members": {
 "ReceivedStatus": {
 "target": "com.amazonaws.licensemanager#ReceivedStatus",
 "traits": {
 "smithy.api#documentation": "<p>Received status.</p>"
 }
 }
 },
 "ReceivedStatusReason": {

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 "target": "com.amazonaws.licensemanager#StatusReasonMessage",
 "traits": {
 "smithy.api#documentation": "<p>Received
status reason.</p>"
 }
 },
 "AllowedOperations": {
 "target": "com.amazonaws.licensemanager#AllowedOperationList",
 "traits": {
 "smithy.api#documentation": "<p>Allowed operations.</p>"
 }
 }
},
"traits": {
 "smithy.api#documentation": "<p>Metadata associated with received licenses and grants.</p>"
}
},
"com.amazonaws.licensemanager#ReceivedStatus": {
 "type": "enum",
 "members": {
 "PENDING_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "PENDING_WORKFLOW"
 }
 },
 "PENDING_ACCEPT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue":
"PENDING_ACCEPT"
 }
 },
 "REJECTED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REJECTED"
 }
 },
 "ACTIVE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "ACTIVE"
 }
 },
 "FAILED_WORKFLOW": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "FAILED_WORKFLOW"
 }
},
"DELETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DELETED"
 }
},
"DISABLED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DISABLED"
 }
},
"WORKFLOW_COMPLETED": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WORKFLOW_COMPLETED"
 }
}
},
"com.amazonaws.licensemanager#RedirectException": {
 "type": "structure",
 "members": {
 "Location": {
 "target": "com.amazonaws.licensemanager#Location",
 "traits": {
 "smithy.api#httpHeader": "Location"
 }
 },
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>This is not the correct Region for the resource. Try again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 308
 }
},
"com.amazonaws.licensemanager#RejectGrant": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#RejectGrantRequest"
 },
 "output": {

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 "target": "com.amazonaws.licensemanager#RejectGrantResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target":
"com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 },
 {
 "target": "com.amazonaws.licensemanager#ValidationException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Rejects the specified grant.</p>"
 }
},
"com.amazonaws.licensemanager#RejectGrantRequest": {
 "type": "structure",
 "members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the grant.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
}
},
"com.amazonaws.licensemanager#RejectGrantResponse": {
 "type": "structure",

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"members": {
 "GrantArn": {
 "target": "com.amazonaws.licensemanager#Arn",
 "traits": {
 "smithy.api#documentation": "<p>Grant ARN.</p>"
 }
 },
 "Status": {
 "target": "com.amazonaws.licensemanager#GrantStatus",
 "traits": {
 "smithy.api#documentation": "<p>Grant status.</p>"
 }
 },
 "Version": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Grant version.</p>"
 }
 },
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#RenewType":
{
 "type": "enum",
 "members": {
 "NONE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "None"
 }
 },
 "WEEKLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Weekly"
 }
 },
 "MONTHLY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "Monthly"
 }
 }
 }
},

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```

"com.amazonaws.licensemanager#ReportContext": {
 "type": "structure",
 "members": {
 "licenseConfigurationArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration that this
generator reports on.</p>",
 "smithy.api#required": {}
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the license configuration that this generator reports on.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequency": {
 "type": "structure",
 "members": {
 "value": {
 "target": "com.amazonaws.licensemanager#Integer",
 "traits": {
 "smithy.api#documentation": "<p>Number of times within the frequency period that a report is
generated. \n The only supported value is <code>1</code>.</p>"
 }
 },
 "period": {
 "target": "com.amazonaws.licensemanager#ReportFrequencyType",
 "traits": {
 "smithy.api#documentation": "<p>Time period between each report. The period can be daily, weekly,
or monthly.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "com.amazonaws.licensemanager#ReportFrequencyType": {
 "type": "enum",
 "members": {
 "DAY": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "DAY"
 }
 }
 }
 }
 }

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```

 },
 "WEEK": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "WEEK"
 }
 },
 "MONTH": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "MONTH"
 }
 }
},
"com.amazonaws.licensemanager#ReportGenerator": {
 "type": "structure",
 "members": {
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>"
 }
 },
 "ReportType": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation": "<p>Type of reports that are generated.</p>"
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {
 "smithy.api#documentation": "<p>License configuration type for this generator.</p>"
 }
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Details about how frequently reports are generated.</p>"
 }
 },
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator.</p>"
 }
 }
 }
}

```

```

 }
 },
 "LastRunStatus": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Status of the last report generation attempt.</p>"
 }
 },
 "LastRunFailureReason": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Failure message for the last report generation attempt.</p>"
 }
 },
 "LastReportGenerationTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the last report was generated at.</p>"
 }
 },
 "ReportCreatorAccount": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>The Amazon Web Services account ID used to create the report
generator.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "S3Location": {
 "target": "com.amazonaws.licensemanager#S3Location",
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published
to.</p>"
 }
 },
 "CreateTime": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Time the report was created.</p>"
 }
 },

```

```

 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>Tags associated with the report generator.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Describe the details of a report generator.</p>"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ReportGenerator"
 }
},
"com.amazonaws.licensemanager#ReportGeneratorName": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 1,
 "max": 100
 }
 }
},
"com.amazonaws.licensemanager#ReportType": {
 "type": "enum",
 "members": {
 "LICENSE_CONFIGURATION_SUMMARY_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationSummaryReport"
 }
 },
 "LICENSE_CONFIGURATION_USAGE_REPORT": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "LicenseConfigurationUsageReport"
 }
 }
 }
},
"com.amazonaws.licensemanager#ReportTypeList": {
 "type": "list",
 "member": {

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 "target": "com.amazonaws.licensemanager#ReportType"
 },
 "com.amazonaws.licensemanager#ResourceInventory": {
 "type": "structure",
 "members": {
 "ResourceId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the resource.</p>"
 }
 },
 "ResourceType": {
 "target": "com.amazonaws.licensemanager#ResourceType",
 "traits": {
 "smithy.api#documentation": "<p>Type of resource.</p>"
 }
 },
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the resource.</p>"
 }
 },
 "Platform": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform of the resource.</p>"
 }
 },
 "PlatformVersion": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Platform version of the resource in the inventory.</p>"
 }
 },
 "ResourceOwningAccountId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>ID of the account that owns the resource.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a resource.</p>"
 }
 }
}

```

```

},
"com.amazonaws.licensemanager#ResourceInventoryList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#ResourceInventory"
 }
},
"com.amazonaws.licensemanager#ResourceLimitExceededException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "ResourceLimitExceeded",

 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>Your resource limits have been exceeded.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceNotFoundException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InvalidResource.NotFound",
 "httpResponseCode": 400
 },
 "smithy.api#documentation": "<p>The resource cannot be found.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#ResourceType": {
 "type": "enum",
 "members": {
 "EC2_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {

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 "smithy.api#enumValue": "EC2_INSTANCE"
 },
 "EC2_HOST": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_HOST"
 }
 },
 "EC2_AMI": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "EC2_AMI"
 }
 },
 "RDS": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "RDS"
 }
 },
 "SYSTEMS_MANAGER_MANAGED_INSTANCE": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "SYSTEMS_MANAGER_MANAGED_INSTANCE"
 }
 }
},
"com.amazonaws.licensemanager#S3Location": {
 "type": "structure",
 "members": {
 "bucket": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Name of the S3 bucket reports are published to.</p>"
 }
 },
 "keyPrefix": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Prefix of the S3 bucket reports are published to.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details of the S3 bucket that report generator reports are published to.</p>"
 }
}

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```

 }
 },
 "com.amazonaws.licensemanager#ServerInternalException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "aws.protocols#awsQueryError": {
 "code": "InternalServerError",
 "httpResponseCode": 500
 },
 "smithy.api#documentation": "<p>The server experienced an internal error. Try again.</p>",
 "smithy.api#error": "server",
 "smithy.api#httpError": 500
 }
 },
 "com.amazonaws.licensemanager#SignedToken": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 4096
 }
 }
 },
 "com.amazonaws.licensemanager#StatusReasonMessage": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 400
 },
 "smithy.api#pattern": "^[\\s\\S]+$"
 }
 },
 "com.amazonaws.licensemanager#String": {
 "type": "string"
 },
 "com.amazonaws.licensemanager#StringList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#Tag": {

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```

"type": "structure",
"members": {
 "Key": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Tag key.</p>"
 }
 },
 "Value": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation":
"<p>Tag value.</p>"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>Details about a tag for a license configuration.</p>"
 },
 "com.amazonaws.licensemanager#TagKeyList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#String"
 }
 },
 "com.amazonaws.licensemanager#TagList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#Tag"
 }
 },
 "com.amazonaws.licensemanager#TagResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#TagResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#TagResourceResponse"
 },
 "errors": [
 {
 "target":
"com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
]
 },

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 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds the specified tags to the specified license configuration.</p>"
 }
},
"com.amazonaws.licensemanager#TagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "Tags": {
 "target": "com.amazonaws.licensemanager#TagList",
 "traits": {
 "smithy.api#documentation": "<p>One or more tags.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#TagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#TokenData": {
 "type": "structure",
 "members": {

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```

"TokenId": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token ID.</p>"
 }
},
"TokenType": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Type of token generated. The supported value is
<code>REFRESH_TOKEN</code>.</p>"
 }
},
"LicenseArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license.</p>"
 }
},
"ExpirationTime": {
 "target": "com.amazonaws.licensemanager#ISO8601DateTime",
 "traits": {
 "smithy.api#documentation": "<p>Token expiration time, in ISO8601-UTC
format.</p>"
 }
},
"TokenProperties": {
 "target": "com.amazonaws.licensemanager#MaxSize3StringList",
 "traits": {
 "smithy.api#documentation": "<p>Data specified by the caller.</p>"
 }
},
"RoleArns": {
 "target": "com.amazonaws.licensemanager#ArnList",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Names (ARN) of the roles included in the
token.</p>"
 }
},
"Status": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Token status. The possible values are
<code>AVAILABLE</code> and <code>DELETED</code>.</p>"
 }
}
},
"traits": {

```

```

 "smithy.api#documentation": "<p>Describes a token.</p>"
 }
},
"com.amazonaws.licensemanager#TokenList": {
 "type": "list",
 "member": {
 "target": "com.amazonaws.licensemanager#TokenData"
 }
},
"com.amazonaws.licensemanager#TokenString": {
 "type": "string",
 "traits": {
 "smithy.api#length": {
 "min": 0,
 "max": 4096
 },
 "smithy.api#pattern": "^\\S+$"
 }
},
"com.amazonaws.licensemanager#TokenType": {
 "type": "enum",
 "members": {
 "REFRESH_TOKEN": {
 "target": "smithy.api#Unit",
 "traits": {
 "smithy.api#enumValue": "REFRESH_TOKEN"
 }
 }
 }
},
"com.amazonaws.licensemanager#UnsupportedDigitalSignatureMethodException":
{
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The digital signature method is unsupported. Try your request again.</p>",
 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
},
"com.amazonaws.licensemanager#UntagResource": {
 "type": "operation",

```



```

"input": {
 "target": "com.amazonaws.licensemanager#UntagResourceRequest"
},
"output": {
 "target": "com.amazonaws.licensemanager#UntagResourceResponse"
},
"errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
"traits": {
 "smithy.api#documentation": "<p>Removes the specified tags from the specified license configuration.</p>"
}
},
"com.amazonaws.licensemanager#UntagResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "TagKeys": {
 "target": "com.amazonaws.licensemanager#TagKeyList",
 "traits": {
 "smithy.api#documentation": "<p>Keys identifying the tags to remove.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "traits": {

```

```

 "smithy.api#input": {}
 },
 "com.amazonaws.licensemanager#UntagResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfiguration": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Modifies the attributes of an existing license configuration.</p>"
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseConfigurationRequest": {
 "type": "structure",
 "members": {
 "LicenseConfigurationArn": {
 "target": "com.amazonaws.licensemanager#String",

```

```

 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the license
configuration.</p>",
 "smithy.api#required": {}
 }
 },
 "LicenseConfigurationStatus": {
 "target": "com.amazonaws.licensemanager#LicenseConfigurationStatus",
 "traits": {
 "smithy.api#documentation": "<p>New status of the license configuration.</p>"
 }
 },
 "LicenseRules": {
 "target": "com.amazonaws.licensemanager#StringList",
 "traits": {
 "smithy.api#documentation": "<p>New license rule. The only rule that you can add after you create a license\n
configuration is licenseAffinityToHost.</p>"
 }
 },
 "LicenseCount": {
 "target": "com.amazonaws.licensemanager#BoxLong",
 "traits": {
 "smithy.api#documentation": "<p>New number of licenses managed by the license
configuration.</p>"
 }
 },
 "LicenseCountHardLimit": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>New hard limit of the number of available licenses.</p>"
 }
 },
 "Name": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New name
of the license configuration.</p>"
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>New description of the license configuration.</p>"
 }
 },
 "ProductInformationList": {
 "target": "com.amazonaws.licensemanager#ProductInformationList",

```

```

 "traits": {
 "smithy.api#documentation": "<p>New product information.</p>"
 }
 },
 "DisassociateWhenNotFound": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>When true, disassociates a resource when software is
uninstalled.</p>"
 }
 },
 "traits":
{
 "smithy.api#input": {}
}
},
"com.amazonaws.licensemanager#UpdateLicenseConfigurationResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGenerator": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ResourceLimitExceededException"
 },
],

```

```

{
 "target": "com.amazonaws.licensemanager#ResourceNotFoundException"
},
{
 "target": "com.amazonaws.licensemanager#ServerInternalException"
},
{
 "target": "com.amazonaws.licensemanager#ValidationException"
}
],
"traits": {
 "smithy.api#documentation": "<p>Updates a report generator.</p>\n <p>After you make changes to a
report generator, it starts generating new reports within 60 minutes of being updated.</p>"
}
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorRequest":
{
 "type": "structure",
 "members": {
 "LicenseManagerReportGeneratorArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the report generator to
update.</p>",
 "smithy.api#required": {}
 }
 },
 "ReportGeneratorName": {
 "target": "com.amazonaws.licensemanager#ReportGeneratorName",
 "traits": {
 "smithy.api#documentation": "<p>Name of the report generator.</p>",
 "smithy.api#required": {}
 }
 }
 },
 "Type": {
 "target": "com.amazonaws.licensemanager#ReportTypeList",
 "traits": {
 "smithy.api#documentation":
 "<p>Type of reports to generate. The following report types are supported:</p>\n \n \n
<p>License configuration report - Reports the number and details of consumed licenses for a license
configuration.</p>\n \n \n
<p>Resource report - Reports the tracked licenses and
resource consumption for a license configuration.</p>\n \n ",
 "smithy.api#required": {}
 }
 },
 "ReportContext": {
 "target": "com.amazonaws.licensemanager#ReportContext",
 "traits": {

```

```

 "smithy.api#documentation": "<p>The report context.</p>",
 "smithy.api#required": {}
 },
 "ReportFrequency": {
 "target": "com.amazonaws.licensemanager#ReportFrequency",
 "traits": {
 "smithy.api#documentation": "<p>Frequency by which reports are generated.</p>",
 "smithy.api#required": {}
 }
 },
 "ClientToken": {
 "target": "com.amazonaws.licensemanager#ClientRequestToken",
 "traits": {
 "smithy.api#documentation": "<p>Unique, case-sensitive identifier that you provide to ensure the
idempotency of the request.</p>",
 "smithy.api#required": {}
 }
 },
 "Description": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Description of the report generator.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseManagerReportGeneratorResponse":
{
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResource": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse"
 },
 "errors": [

```

```

 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidResourceStateException"
 },
 {
 "target": "com.amazonaws.licensemanager#LicenseUsageException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Adds or removes the specified license configurations for the specified Amazon Web Services resource.</p>\n <p>You can update the license specifications of AMIs, instances, and hosts.\n You cannot update the license specifications for launch templates and CloudFormation templates, \n as they send license configurations to the operation that creates the resource.</p>"
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceRequest": {
 "type": "structure",
 "members": {
 "ResourceArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon Web Services resource.</p>",
 "smithy.api#required": {}
 }
 },
 "AddLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation": "<p>ARNs of the license configurations to add.</p>"
 }
 }
 }
 },

```

```

 "RemoveLicenseSpecifications": {
 "target": "com.amazonaws.licensemanager#LicenseSpecifications",
 "traits": {
 "smithy.api#documentation":
"<p>ARNs of the license configurations to remove.</p>"
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateLicenseSpecificationsForResourceResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
 },
 "com.amazonaws.licensemanager#UpdateServiceSettings": {
 "type": "operation",
 "input": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsRequest"
 },
 "output": {
 "target": "com.amazonaws.licensemanager#UpdateServiceSettingsResponse"
 },
 "errors": [
 {
 "target": "com.amazonaws.licensemanager#AccessDeniedException"
 },
 {
 "target": "com.amazonaws.licensemanager#AuthorizationException"
 },
 {
 "target": "com.amazonaws.licensemanager#InvalidParameterValueException"
 },
 {
 "target": "com.amazonaws.licensemanager#RateLimitExceededException"
 },
 {
 "target": "com.amazonaws.licensemanager#ServerInternalException"
 }
],
 "traits": {
 "smithy.api#documentation": "<p>Updates License Manager settings for the current Region.</p>"
 }
 },

```



```

"com.amazonaws.licensemanager#UpdateServiceSettingsRequest": {
 "type": "structure",
 "members": {
 "S3BucketArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon S3 bucket where
the License
Manager information is stored.</p>"
 }
 },
 "SnsTopicArn": {
 "target": "com.amazonaws.licensemanager#String",
 "traits": {
 "smithy.api#documentation": "<p>Amazon Resource Name (ARN) of the Amazon SNS topic used
for License Manager alerts.</p>"
 }
 },
 "OrganizationConfiguration": {
 "target": "com.amazonaws.licensemanager#OrganizationConfiguration",
 "traits": {
 "smithy.api#documentation": "<p>Enables integration with Organizations for cross-account
discovery.</p>"
 }
 },
 "EnableCrossAccountsDiscovery": {
 "target": "com.amazonaws.licensemanager#BoxBoolean",
 "traits": {
 "smithy.api#documentation": "<p>Activates cross-account discovery.</p>"
 }
 }
 },
 "traits": {
 "smithy.api#input": {}
 }
},
"com.amazonaws.licensemanager#UpdateServiceSettingsResponse": {
 "type": "structure",
 "members": {},
 "traits": {
 "smithy.api#output": {}
 }
},
"com.amazonaws.licensemanager#UsageOperation": {
 "type": "string",
 "traits": {
 "smithy.api#length": {

```

```

 "min": 0,
 "max": 50
 }
}
},
"com.amazonaws.licensemanager#ValidationException": {
 "type": "structure",
 "members": {
 "Message": {
 "target": "com.amazonaws.licensemanager#Message"
 }
 },
 "traits": {
 "smithy.api#documentation": "<p>The provided input is not valid. Try your request again.</p>",

 "smithy.api#error": "client",
 "smithy.api#httpError": 400
 }
}
}
}
}

```

# 1.112 prometheus-client 1.19.1

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# 1.117 google-golang-org-grpc 1.64.0

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## 1.118 lib-pq 1.10.9

### 1.118.1 Available under license :

```
//go:build go1.10
// +build go1.10
```

```
package pq
```

```
import (
 "context"
 "database/sql/driver"
)
```

```
// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
 return c.(*conn).noticeHandler
}
```

```
// SetNoticeHandler sets the given notice handler on the given connection. A
```

```

// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
 c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
 driver.Connector
 noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
 c, err := n.Connector.Connect(ctx)
 if err == nil {
 SetNoticeHandler(c, n.noticeHandler)
 }
 return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
 if c, ok := c.(*NoticeHandlerConnector); ok {
 return c.noticeHandler
 }
 return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands

```

```
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
 if c, ok := c.(*NoticeHandlerConnector); ok {
 c.noticeHandler = handler
 return c
 }
 return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
```

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 */
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librdkafka - Apache Kafka C driver library

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# 1.125 curl 8.12.1-r1

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# 1.126 prometheus-client-model 0.6.1

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## 1.127 logrus 1.9.3

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## 1.128 go-redis-redis 9.7.1

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