Managing Firmware

This chapter includes the following sections:

Managing BIOS Firmware

The examples in this section show how to use the Cisco IMC XML API to retrieve and update BIOS firmware. Each example shows the XML API request followed by the response from Cisco IMC.

This section includes the following examples:

Retrieving BIOS Running Firmware Version

Request:

```
<configResolveDn cookie="1418810141/bed473ba-660a-1a66-800e-91fabb1b0ff4"
dn='sys/chassis-1/server-1/bios/fw-boot-loader' inHierarchical="false"/>
```

Response:

```
<configResolveDn cookie="1418810141/bed473ba-660a-1a66-800e-91fabb1b0ff4"
response="yes" dn="sys/chassis-1/server-1/bios/fw-boot-loader">
  <outConfig>
    <firmwareRunning dn="sys/chassis-1/server-1/bios/fw-boot-loader"
```

```
      description="BIOS currently running firmware version"
      deployment="boot-loader" type="blade-bios" version="C3260M4.2.0.6.17.081720142325"/>
  </outConfig>
</configResolveDn>
```

Retrieving BIOS Backup Firmware Version

Request:

```
<configResolveDn cookie="1418810141/bed473ba-660a-1a66-800e-91fabb1b0ff4"
dn='sys/chassis-1/server-1/bios/fw-updatable' inHierarchical="false"/>
```

Response:

```
<configResolveDn cookie="1418810141/bed473ba-660a-1a66-800e-91fabb1b0ff4"
response="yes" dn="sys/chassis-1/server-1/bios/fw-updatable">
  <outConfig>
    <firmwareUpdatable dn="sys/chassis-1/server-1/bios/fw-updatable"
     description="BIOS firmware version" adminState="triggered"
     deployment="primary" operState="success"
     version="C3260M4.2.0.6.17.081720142325" protocol="none"
     remoteServer="" remotePath="" user="" pwd="" progress="Done,
     OK " type="blade-bios"/>
  </outConfig>
</configResolveDn>
```

Retrieving BIOS Startup Firmware Version

Request:

```
<configResolveDn cookie="1418810756/8f046609-670a-1a67-800f-91fabb1b0ff4"
dn='sys/chassis-1/server-1/bios/fw-boot-def' inHierarchical="true"/>
```

Response:

```
<configResolveDn cookie="1418810756/8f046609-670a-1a67-800f-91fabb1b0ff4"
response="yes" dn="sys/chassis-1/server-1/bios/fw-boot-def">
  <outConfig>
    <firmwareBootDefinition dn="sys/chassis-1/server-1/bios/fw-boot-def"
     type="blade-bios">
    <firmwareBootUnit rn="bootunit-combined" description="BIOS startup
     firmware version" adminState="triggered" image="running"
     resetOnActivate="no" type="combined" version="C3260M4.2.0.6.17.081720142325"/>
    </firmwareBootDefinition>
  </outConfig>
</configResolveDn>
```

Upgrading BIOS Firmware Using TFTP

The following example shows how to upgrade BIOS firmware using TFTP protocol. You can also upgrade the firmware using the following other protocols:

- FTP
- SFTP
- SCP
- HTTP

Request:

```
<configConfMo cookie='1418813107/6f2f499a-670a-1a67-8002-91fabb1b0ff4'
dn='sys/chassis-1/server-1/bios/fw-updatable'>
<inConfig>
  <firmwareUpdatable dn='sys/chassis-1/server-1/bios/fw-updatable'
   adminState='trigger' protocol='tftp' type='blade-bios'
   remoteServer='10.106.27.149' remotePath='sriparim/C3260M4-BIOS-2-0-5-1.cap'/>
```

```
</inConfig>
</configConfMo>
```

Response:

```
<configConfMo dn="sys/chassis-1/server-1/bios/fw-updatable"
cookie="1418813107/6f2f499a-670a-1a67-8002-91fabb1b0ff4" response="yes">
  <outConfig>
    <firmwareUpdatable dn="sys/chassis-1/server-1/bios/fw-updatable"
     description="BIOS firmware version" adminState="triggered"
     deployment="primary" operState="failed" version="C3260M4.2.0.1.17.081720142325"
     protocol="none" remoteServer="" remotePath="" user="" pwd=""
     progress=" Update In Progress " type="blade-bios" status="modified"/>
  </outConfig>
</configConfMo>
```

Verifying the Progress of the Upgrade

Request:

```
<configResolveDn cookie="1418813107/6f2f499a-670a-1a67-8002-91fabb1b0ff4"
response="yes" dn="sys/chassis-1/server-1/bios/fw-updatable">
```

Response:

```
  <outConfig>
 <firmwareUpdatable dn="sys/chassis-1/server-1/bios/fw-updatable"
   description="BIOS firmware version" adminState="triggered"
   deployment="primary" operState="success"
   version="C3160M3.2.0.1.17.081720142325" protocol="none"
   remoteServer="" remotePath="" user="" pwd=""
   progress="Done, OK " type="blade-bios"/>
  </outConfig>
</configResolveDn>
```

Activating the Installed BIOS Firmware

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Important   Host must be powered off while activating BIOS.

Request:

```
<configConfMo dn="sys/chassis-1/server-1/bios/fw-boot-def/bootunit-combined"
cookie="1418814643/d6338300-680a-1a68-8003-91fabb1b0ff4" response="yes">
<inConfig>
 <firmwareBootUnit dn='sys/chassis-1/server-1/bios/fw-boot-def/bootunit-combined'
  adminState='trigger' image='backup' resetOnActivate='yes' />
 </inConfig>
```

Response:

```
<configConfMo dn="sys/chassis-1/server-1/bios/fw-boot-def/bootunit-combined"
cookie="1418814643/d6338300-680a-1a68-8003-91fabb1b0ff4" response="yes">
 <outConfig>
  <firmwareBootUnit dn="sys/chassis-1/server-1/bios/fw-boot-def/bootunit-combined"
   description="BIOS startup firmware version" adminState="triggered"
   image="running" resetOnActivate="no" type="combined"
   version="C3260M4.2.0.6.17.081720142325" status="modified"/>
  </outConfig>
</configConfMo>
```

Managing the BMC Firmware

The examples in this section show how to use the Cisco IMC XML API to retrieve and update BMC firmware. Each example shows the XML API request followed by the response from Cisco IMC.

This section includes the following examples:

Retrieving the BMC Firmware Running Version

Request:

```
<configResolveDn cookie="1421228528/664ed95d-9a0c-1c9a-8002-91fabb1b0ff4"
dn='sys/chassis-1/server-1/mgmt/fw-system' inHierarchical="false"/>
```

Response:

```
 <configResolveDn cookie="1421228528/664ed95d-9a0c-1c9a-8002-91fabb1b0ff4"
response="yes" dn="sys/chassis-1/server-1/mgmt/fw-system">
  <outConfig>
    <firmwareRunning dn="sys/chassis-1/server-1/mgmt/fw-system"
    description="Cisco IMC currently running firmware version"
    deployment="system" type="blade-controller" version="2.0(6.4)"/>
  </outConfig>
</configResolveDn>
```

Updating BMC Firmware

The following example shows how to upgrade BMC firmware using the TFTP protocol. You can also upgrade the firmware using the following other protocols:

- FTP
- SFTP
- SCP
- HTTP

Request:

```
<configConfMo cookie='1421233678/d85dfcf5-9a0c-1c9a-8002-91fabb1b0ff4'
dn='sys/chassis-1/server-1/mgmt/fw-updatable'>
<inConfig>
  <firmwareUpdatable dn='sys/chassis-1/server-1/mgmt/fw-updatable'
  adminState='trigger' protocol='tftp' type='blade-controller'
  remoteServer='10.106.27.149' remotePath='hlkABSG/upd-pkg-c3260-cimc.full.2.0.6.15.bin'/>
</inConfig>
</configConfMo>
```

Response:

```
<outConfig>
 <firmwareUpdatable dn="sys/chassis-1/slot-1/mgmt/fw-updatable"
  description="System IO Controller backup firmware version"
  adminState="triggered" deployment="backup" operState="updating"
  version="0.0(4.r202878)" protocol="none" remoteServer="" remotePath=""
  user="" pwd="" progress="5" type="sioc"/>
  </outConfig>
</configResolveDn>
```

Activating the Firmware

Request:

```
<configConfMo cookie='1421240125/e86a101e-9d0c-1c9d-8002-91fabb1b0ff4'
dn='sys/chassis-1/server-1/mgmt/fw-boot-def/bootunit-combined'>
```

```
 <inConfig>
  <firmwareBootUnit dn='sys/chassis-1/server-1/mgmt/fw-boot-def/bootunit-combined'
   adminState='trigger' image='backup' resetOnActivate='yes' />
 </inConfig>
</configConfMo>
```

Response:

```
<configConfMo dn="sys/chassis-1/server-1/mgmt/fw-boot-def/bootunit-combined"
cookie="1421240125/e86a101e-9d0c-1c9d-8002-91fabb1b0ff4" response="yes">
<outConfig>
 <firmwareBootUnit dn="sys/chassis-1/server-1/mgmt/fw-boot-def/bootunit-combined"
  description="Cisco IMC startup firmware version" adminState="triggered"
  image="running" resetOnActivate="no" type="combined" version="2.0(6.4)"
  status="modified"/>
  </outConfig>
</configConfMo>
```

Managing the CMC Firmware

The examples in this section show how to use the Cisco IMC XML API to retrieve and update CMC firmware. Each example shows the XML API request followed by the response from Cisco IMC.

This section includes the following examples:

Updating CMC Firmware

The following example shows how to upgrade CMC firmware using TFTP protocol. You can also upgrade the firmware using the following other protocols:

- FTP
- SFTP
- SCP
- HTTP

Request:

```
<configConfMo cookie='1420794510/983be121-350c-1c35-8004-91fabb1b0ff4'
dn='sys/chassis-1/slot-1/mgmt/fw-updatable'>
<inConfig>
 <firmwareUpdatable dn='sys/chassis-1/slot-1/mgmt/fw-updatable'
  adminState='trigger' protocol='tftp' type='sioc' remoteServer='10.106.27.149'
  remotePath='sriparim/chassis.img'/>
</inConfig>
</configConfMo>
```

Response:

```
<outConfig>
 <firmwareUpdatable dn="sys/chassis-1/slot-1/mgmt/fw-updatable"
  description="System IO Controller backup firmware version"
  adminState="triggered" deployment="backup" operState="updating"
  version="0.0(4.r202878)" protocol="none" remoteServer="" remotePath=""
  user="" pwd="" progress="5" type="sioc"/>
  </outConfig>
</configResolveDn>
```

Verifying the Progress of the Upgrade

Request:

```
<configResolveDn cookie="1420807158/bf2e8355-380c-1c38-8002-91fabb1b0ff4"
dn='sys/chassis-1/slot-1/mgmt/fw-updatable' inHierarchical="false"/>
```

Response:

```
  <configResolveDn cookie="1420807158/bf2e8355-380c-1c38-8002-91fabb1b0ff4"
response="yes" dn="sys/chassis-1/slot-1/mgmt/fw-updatable">
 <outConfig>
  <firmwareUpdatable dn="sys/chassis-1/slot-1/mgmt/fw-updatable"
   description="System IO Controller backup firmware version" adminState="triggered"
   deployment="backup" operState="ready" version="0.0(4.r205775)" protocol="none"
   remoteServer="" remotePath="" user="" pwd="" progress="Success" type="sioc"/>
  </outConfig>
</configResolveDn>
```

Activating the Firmware

Request:

```
<configConfMo cookie='1420810495/57090030-390c-1c39-8002-91fabb1b0ff4'
 dn='sys/chassis-1/slot-1/mgmt/fw-boot-def/bootunit-combined'>
  <inConfig>
   <firmwareBootUnit dn='sys/chassis-1/slot-1/mgmt/fw-boot-def/bootunit-combined'
    adminState='trigger' image='backup' resetOnActivate='yes' />
   </inConfig>
</configConfMo>
```

Response:

```
<configConfMo dn="sys/chassis-1/slot-1/mgmt/fw-boot-def/bootunit-combined"
cookie="1420810495/57090030-390c-1c39-8002-91fabb1b0ff4" response="yes">
 <outConfig>
  <firmwareBootUnit dn="sys/chassis-1/slot-1/mgmt/fw-boot-def/bootunit-combined"
   description="System Input Out Controller startup firmware version"
   adminState="triggered" image="running" resetOnActivate="no" type="combined"
   version="0.0(4.r204950)" status="modified"/>
  </outConfig>
</configConfMo>
```

Managing SAS Expander Firmware

The examples in this section show how to use the Cisco IMC XML API to retrieve and update SAS expander firmware. Each example shows the XML API request followed by the response from Cisco IMC.

This section includes the following examples:

Retrieving SAS Expander Firmware Details

Request:

```
<configResolveClass cookie="1428566069/191135cc-4613-1346-8003-e87877e2cff4"
inHierarchical="true" classId="storageExpander"/>
```

Response:

```
<configResolveClass cookie="1428566069/191135cc-4613-1346-8003-e87877e2cff4"
response="yes" classId="storageExpander">
 <outConfigs>
    <storageExpander id="1" description="Storage controller - SAS Expander"
    dn="sys/chassis-1/expander-sas-1">
     <firmwareRunning rn="fw-system"
     description="SAS Expander currently running firmware version"
     deployment="system" type="expander-sas" version="04.08.01_B052"/>
     <firmwareUpdatable rn="fw-updatable" description="SAS Expander backup firmware version"

     adminState="triggered" deployment="backup" operState="ready"
     version="04.08.01_B052" protocol="none" remoteServer="" remotePath=""
     user="" pwd="" progress="Success" type="expander-sas"/>
     <firmwareBootDefinition rn="fw-boot-def" type="expander-sas">
     <firmwareBootUnit rn="bootunit-combined"
     description="SAS Expander startup firmware version" adminState="triggered"
     image="running" resetOnActivate="no" type="combined" version="04.08.01_B052"/>
     </firmwareBootDefinition>
    </storageExpander>
    <storageExpander id="2" description="Storage controller - SAS Expander"
    dn="sys/chassis-1/expander-sas-2">
     <firmwareRunning rn="fw-system"
     description="SAS Expander currently running firmware
     version" deployment="system" type="expander-sas" version="04.08.01_B052"/>
     <firmwareUpdatable rn="fw-updatable"
     description="SAS Expander backup firmware version" adminState="triggered"
     deployment="backup" operState="ready" version="04.08.01_B052" protocol="none"
     remoteServer="" remotePath="" user="" pwd="" progress="Success" type="expander-sas"/>

     <firmwareBootDefinition rn="fw-boot-def" type="expander-sas">
     <firmwareBootUnit rn="bootunit-combined"
     description="SAS Expander startup firmware version" adminState="triggered"
     image="running" resetOnActivate="no" type="combined" version="04.08.01_B052"/>
     </firmwareBootDefinition>
    </storageExpander>
  </outConfigs>
</configResolveClass>
```

Retrieving Running SAS Expander Firmware Version

Request:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
dn='sys/chassis-1/expander-sas-2/fw-system' inHierarchical="true"/>
```

Response:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
response="yes" dn="sys/chassis-1/expander-sas-2/fw-system">
<outConfig>
 <firmwareRunning dn="sys/chassis-1/expander-sas-2/fw-system"
 description="SAS Expander currently running firmware version"
 deployment="system" type="expander-sas" version="04.08.01_B052"/>
 </outConfig>
</configResolveDn>
```

Retrieving SAS Expander Firmware Backup Version

Request:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
dn='sys/chassis-1/expander-sas-1/fw-updatable' inHierarchical="true"/>
```

Response:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
response="yes" dn="sys/chassis-1/expander-sas-1/fw-updatable">
  <outConfig>
   <firmwareUpdatable dn="sys/chassis-1/expander-sas-1/fw-updatable"
    description="SAS Expander backup firmware version" adminState="triggered"
    deployment="backup" operState="ready" version="04.08.01_B052" protocol="none"
    remoteServer="" remotePath="" user="" pwd="" progress="Success"
    type="expander-sas"/>
  </outConfig>
</configResolveDn>
```

Retrieving SAS Expander Boot Definition Firmware Version

Request:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
dn='sys/chassis-1/expander-sas-2/fw-boot-def' inHierarchical="true"/>
```

Response:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
response="yes" dn="sys/chassis-1/expander-sas-2/fw-boot-def">
  <outConfig>
    <firmwareBootDefinition dn="sys/chassis-1/expander-sas-2/fw-boot-def"
     type="expander-sas">
    <firmwareBootUnit rn="bootunit-combined" description="SAS Expander
     startup firmware version" adminState="triggered" image="running"
     resetOnActivate="no" type="combined" version="04.08.01_B052"/>
    </firmwareBootDefinition>
  </outConfig>
</configResolveDn>
```

Upgrading SAS Expander Firmware on SAS Expander 1

The following example shows how to upgrade SAS expander firmware using TFTP protocol. You can also upgrade the firmware using the following other protocols:

- FTP

- SFTP

- SCP

- HTTP

Request:

```
<configConfMo cookie='1428567858/e6b2ac69-4613-1346-8005-e87877e2cff4'
dn='sys/chassis-1/expander-sas-1/fw-updatable'>
<inConfig>
  <firmwareUpdatable dn='sys/chassis-1/expander-sas-1/fw-updatable'
   adminState='trigger' protocol='tftp' type='expander-sas'
   remoteServer='10.197.125.101' remotePath='xxxxxx/fw_image-B052.bin'/>
 </inConfig>
</configConfMo>
```

Response:

```
<configConfMo dn="sys/chassis-1/expander-sas-1/fw-updatable"
cookie="1428567858/e6b2ac69-4613-1346-8005-e87877e2cff4" response="yes">
 <outConfig>
   <firmwareUpdatable dn="sys/chassis-1/expander-sas-1/fw-updatable"
    description="SAS Expander backup firmware version" adminState="triggered"
    deployment="backup" operState="updating" version="04.08.01_B052"
    protocol="none" remoteServer="" remotePath="" user="" pwd="" progress="0"
    type="expander-sas" status="modified"/>
  </outConfig>
</configConfMo>
```

Verifying the Status of SAS Expander Firmware Upgrade

Request:

```
<configResolveDn cookie="1428566846/738bfd6c-4613-1346-8004-e87877e2cff4"
dn='sys/chassis-1/expander-sas-1/fw-updatable' inHierarchical="true"/>
```

Response:

```
<configResolveDn cookie="1428567858/e6b2ac69-4613-1346-8005-e87877e2cff4"
response="yes" dn="sys/chassis-1/expander-sas-1/fw-updatable">
 <outConfig>
  <firmwareUpdatable dn="sys/chassis-1/expander-sas-1/fw-updatable"
   description="SAS Expander backup firmware version" adminState="triggered"
   deployment="backup" operState="ready" version="04.08.01_B052" protocol="none"
   remoteServer="" remotePath="" user="" pwd="" progress="Success"
   type="expander-sas"/>
  </outConfig>
</configResolveDn>
```

Activating the Firmware

Request:

```
<configConfMo cookie='1418823162/649dcd2f-6a0a-1a6a-8008-91fabb1b0ff4'
dn='sys/chassis-1/sasexp-1/fw-boot-def/bootunit-combined'>
  <inConfig>
    <firmwareBootUnit dn='sys/chassis-1/sasexp-1/fw-boot-def/bootunit-combined'
     adminState='trigger' image='backup' resetOnActivate='yes' />
    </inConfig>
</configConfMo>
```

Response:

```
<configConfMo dn="sys/chassis-1/expander-sas-1/fw-boot-def/bootunit-combined"
cookie="1428568472/4e033c69-4713-1347-8006-e87877e2cff4" response="yes">
 <outConfig>
  <firmwareBootUnit dn="sys/chassis-1/expander-sas-1/fw-boot-def/bootunit-combined"
   description="SAS Expander startup firmware version" adminState="triggered"
   image="running" resetOnActivate="no" type="combined" version="04.08.01_B052"
   status="modified"/>
  </outConfig>
</configConfMo>
```

Managing the Network Adapter Firmware

The examples in this section show how to use the Cisco IMC XML API to retrieve and update the network adapter firmware. Each example shows the XML API request followed by the response from Cisco IMC.

This section includes the following examples:

Retrieving the Adapter Firmware Running Version

Request:

```
<configResolveDn cookie='1431644026/649b1615-1316-1613-8003-d27f77e2cff4'
inHierarchical='false' dn='sys/chassis-1/slot-1/shared-io-module/mgmt/fw-system' />
```

Response:

```
<configResolveDn cookie="1431644026/649b1615-1316-1613-8003-d27f77e2cff4"
 response="yes" dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-system">
<outConfig>
 <firmwareRunning dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-system"
  description="Cisco VIC adapter currently running firmware version" deployment="system"
  type="adaptor" version="4.0(300.22)"/>
 </outConfig>
</configResolveDn>
```

Retrieving the Adapter Firmware Backup Version

Request:

```
<configResolveDn cookie='1431644026/649b1615-1316-1613-8003-d27f77e2cff4'
inHierarchical='false' dn='sys/chassis-1/slot-2/shared-io-module/mgmt/fw-updatable' />
```

Response:

```
<configResolveDn cookie="1431644026/649b1615-1316-1613-8003-d27f77e2cff4"
response="yes" dn="sys/chassis-1/slot-2/shared-io-module/mgmt/fw-updatable">
<outConfig>
<firmwareUpdatable dn="sys/chassis-1/slot-2/shared-io-module/mgmt/fw-updatable"
  description="Cisco VIC adapter backup firmware version" adminState="triggered"
  deployment="backup" version="4.0(300.20)" protocol="none" remoteServer=""
  remotePath="" user="" pwd="" progress="Stage: No  operation (0%), Status: Idle,
  Error: No error" type="adaptor"/>
</outConfig>
</configResolveDn>
```

Retrieving the Adapter Firmware Boot Loader Version

Request:

```
<configResolveDn cookie='1431644026/649b1615-1316-1613-8003-d27f77e2cff4'
inHierarchical='false' dn='sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-loader'/>
```

Response:

```
<configResolveDn cookie="1431644026/649b1615-1316-1613-8003-d27f77e2cff4"
response="yes" dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-loader">
<outConfig>
 <firmwareRunning dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-loader"
  description="Cisco VIC adapter currently running boot loader firmware version"
  deployment="boot-loader" type="adaptor" version="4.0(300.22)"/>
 </outConfig>
</configResolveDn>
```

Updating the Adapter Firmware

The following example shows how to upgrade the adapter firmware using the SCP protocol. You can also upgrade the firmware using the following other protocols:

- FTP

- SFTP

- TFTP

- HTTP

Request:

```
<configConfMo cookie="0955187490/0b79d656-bd64-14bd-8002-82f92a02b884"
dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable">
<inConfig>
 <firmwareUpdatable dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable"
  adminState="trigger" protocol="scp" user="sriparim" pwd="password"
  remoteServer="10.197.125.101" remotePath="/scp/kjhadhsaim/cruz-latest.bin"
  type="adaptor"/>
 </inConfig>
</configConfMo>
```

Response:

```
<configConfMo dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable"
cookie="0955187490/0b79d656-bd64-14bd-8002-82f92a02b884" response="yes">
 <outConfig>
  <firmwareUpdatable dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable"
   description="Cisco VIC adapter backup firmware version" adminState="triggered"
   deployment="backup" version="4.0(300.27)" protocol="none" remoteServer="" remotePath=""

   user="" pwd="" progress="Stage: Transferring (15%), Status: Update in progress,
   Error: No error" type="adaptor" status="modified"/>
 </outConfig>
</configConfMo>
```

Viewing the Progress of the Update

Request:

```
<configResolveDn cookie='0955187490/0b79d656-bd64-14bd-8002-82f92a02b884'
inHierarchical='false' dn='sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable' />
```

Response:

```
<configResolveDn cookie="0955187490/0b79d656-bd64-14bd-8002-82f92a02b884"
response="yes" dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable">
<outConfig>
 <firmwareUpdatable dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-updatable"
  description="Cisco VIC adapter backup firmware version" adminState="triggered"
  deployment="backup" protocol="none" remoteServer="" remotePath="" user="" pwd=""
  progress="Stage: Writing (71%), Status: Update in progress, Error: No error"
  type="adaptor"/>
 </outConfig>
</configResolveDn>
```

Activating the Firmware

Request:

```
<configConfMo cookie='0955187490/0b79d656-bd64-14bd-8002-82f92a02b884'
dn='sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-def/bootunit-combined'>
<inConfig>
 <firmwareBootUnit
  dn='sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-def/bootunit-combined'
  adminState='trigger' image='backup' />
 </inConfig>
</configConfMo>
/>
```

Response:

```
<configConfMo dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-def/bootunit-
combined" cookie="0955187490/0b79d656-bd64-14bd-8002-82f92a02b884" response="yes">
<outConfig>
 <firmwareBootUnit
  dn="sys/chassis-1/slot-1/shared-io-module/mgmt/fw-boot-def/bootunit-combined"
  description="Cisco VIC adapter startup firmware version" adminState="triggered"
  image="running" resetOnActivate="no" type="combined"
  version="4.0(300.42)" status="modified"/>
 </outConfig>
</configConfMo>
```