

Подробные данные силы шифра SSL

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Введение

Этот документ описывает, как просмотреть шифры SSL, которые доступны для использования и поддерживаемые на Cisco Email Security Appliance (ESA).

Подробные данные силы шифра SSL

Шифры SSL, которые доступны для использования и поддерживаемые, могут быть замечены в любое время путем выполнения следования из CLI: **sslconfig> проверяют**

Когда предложено "Вводят ssl шифр, который вы хотите проверить", соответствие возвращается, чтобы оставить это незаполненное поле и отобразить шифры ALL.

ECDHE-RSA-AES256-GCM-SHA384	TLSv1.2	Kx=ECDH	Au=RSA	Enc=AESGCM (256)	Mac=D
ECDHE-ECDSA-AES256-GCM-SHA384	TLSv1.2	Kx=ECDH	Au=ECDSA	Enc=AESGCM (256)	Mac=D
ECDHE-RSA-AES256-SHA384	TLSv1.2	Kx=ECDH	Au=RSA	Enc=AES (256)	Mac=84
ECDHE-ECDSA-AES256-SHA384	TLSv1.2	Kx=ECDH	Au=ECDSA	Enc=AES (256)	Mac=84
ECDHE-RSA-AES256-SHA	SSLv3	Kx=ECDH	Au=RSA	Enc=AES (256)	Mac=
ECDHE-ECDSA-AES256-SHA	SSLv3	Kx=ECDH	Au=ECDSA	Enc=AES (256)	Mac=
SRP-DSS-AES-256-CBC-SHA	SSLv3	Kx=SRP	Au=DSS	Enc=AES (256)	Mac=
SRP-RSA-AES-256-CBC-SHA	SSLv3	Kx=SRP	Au=RSA	Enc=AES (256)	Mac=
SRP-AES-256-CBC-SHA	SSLv3	Kx=SRP	Au=SRP	Enc=AES (256)	Mac=
DHE-DSS-AES256-GCM-SHA384	TLSv1.2	Kx=DH	Au=DSS	Enc=AESGCM (256)	Mac=D
DHE-RSA-AES256-GCM-SHA384	TLSv1.2	Kx=DH	Au=RSA	Enc=AESGCM (256)	Mac=D
DHE-RSA-AES256-SHA256	TLSv1.2	Kx=DH	Au=RSA	Enc=AES (256)	Mac=56
DHE-DSS-AES256-SHA256	TLSv1.2	Kx=DH	Au=DSS	Enc=AES (256)	Mac=56

DHE-RSA-AES256-SHA	SSLv3	Kx=DH	Au=RSA	Enc=AES (256)	Mac=
DHE-DSS-AES256-SHA	SSLv3	Kx=DH	Au=DSS	Enc=AES (256)	Mac=
DHE-RSA-CAMELLIA256-SHA	SSLv3	Kx=DH	Au=RSA	Enc=Camellia (256)	Mac=
DHE-DSS-CAMELLIA256-SHA	SSLv3	Kx=DH	Au=DSS	Enc=Camellia (256)	Mac=
AES256-GCM-SHA384	TLSv1.2	Kx=RSA	Au=RSA	Enc=AESGCM (256)	Mac=D
AES256-SHA256	TLSv1.2	Kx=RSA	Au=RSA	Enc=AES (256)	Mac=56
AES256-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=AES (256)	Mac=
CAMELLIA256-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=Camellia (256)	Mac=
PSK-AES256-CBC-SHA	SSLv3	Kx=PSK	Au=PSK	Enc=AES (256)	Mac=
ECDHE-RSA-AES128-GCM-SHA256	TLSv1.2	Kx=ECDH	Au=RSA	Enc=AESGCM (128)	Mac=D
ECDHE-ECDSA-AES128-GCM-SHA256	TLSv1.2	Kx=ECDH	Au=ECDSA	Enc=AESGCM (128)	Mac=D
ECDHE-RSA-AES128-SHA256	TLSv1.2	Kx=ECDH	Au=RSA	Enc=AES (128)	Mac=56
ECDHE-ECDSA-AES128-SHA256	TLSv1.2	Kx=ECDH	Au=ECDSA	Enc=AES (128)	Mac=56
ECDHE-RSA-AES128-SHA	SSLv3	Kx=ECDH	Au=RSA	Enc=AES (128)	Mac=
ECDHE-ECDSA-AES128-SHA	SSLv3	Kx=ECDH	Au=ECDSA	Enc=AES (128)	Mac=
SRP-DSS-AES-128-CBC-SHA	SSLv3	Kx=SRP	Au=DSS	Enc=AES (128)	Mac=
SRP-RSA-AES-128-CBC-SHA	SSLv3	Kx=SRP	Au=RSA	Enc=AES (128)	Mac=
SRP-AES-128-CBC-SHA	SSLv3	Kx=SRP	Au=SRP	Enc=AES (128)	Mac=
DHE-DSS-AES128-GCM-SHA256	TLSv1.2	Kx=DH	Au=DSS	Enc=AESGCM (128)	Mac=D
DHE-RSA-AES128-GCM-SHA256	TLSv1.2	Kx=DH	Au=RSA	Enc=AESGCM (128)	Mac=D
DHE-RSA-AES128-SHA256	TLSv1.2	Kx=DH	Au=RSA	Enc=AES (128)	Mac=56
DHE-DSS-AES128-SHA256	TLSv1.2	Kx=DH	Au=DSS	Enc=AES (128)	Mac=56
DHE-RSA-AES128-SHA	SSLv3	Kx=DH	Au=RSA	Enc=AES (128)	Mac=
DHE-DSS-AES128-SHA	SSLv3	Kx=DH	Au=DSS	Enc=AES (128)	Mac=
DHE-RSA-SEED-SHA	SSLv3	Kx=DH	Au=RSA	Enc=SEED (128)	Mac=
DHE-DSS-SEED-SHA	SSLv3	Kx=DH	Au=DSS	Enc=SEED (128)	Mac=
DHE-RSA-CAMELLIA128-SHA	SSLv3	Kx=DH	Au=RSA	Enc=Camellia (128)	Mac=
DHE-DSS-CAMELLIA128-SHA	SSLv3	Kx=DH	Au=DSS	Enc=Camellia (128)	Mac=
AES128-GCM-SHA256	TLSv1.2	Kx=RSA	Au=RSA	Enc=AESGCM (128)	Mac=D
AES128-SHA256	TLSv1.2	Kx=RSA	Au=RSA	Enc=AES (128)	Mac=56
AES128-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=AES (128)	Mac=
ИНИЦИИРУЮЩИЙ SHA	SSLv3	Kx=RSA	Au=RSA	Enc=SEED (128)	Mac=

CAMELLIA128-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=Camellia (128)	Mac=
SHA CBC IDEA	SSLv3	Kx=RSA	Au=RSA	Enc=IDEA (128)	Mac=
PSK-AES128-CBC-SHA	SSLv3	Kx=PSK	Au=PSK	Enc=AES (128)	Mac=
ECDHE-RSA-RC4-SHA	SSLv3	Kx=ECDH	Au=RSA	Enc=RC4 (128)	Mac=
ECDHE-ECDSA-RC4-SHA	SSLv3	Kx=ECDH	Au=ECDSA	Enc=RC4 (128)	Mac=
SHA RC4	SSLv3	Kx=RSA	Au=RSA	Enc=RC4 (128)	Mac=
MD5 RC4	SSLv3	Kx=RSA	Au=RSA	Enc=RC4 (128)	Mac=
SHA RC4 PSK	SSLv3	Kx=PSK	Au=PSK	Enc=RC4 (128)	Mac=
ECDHE-RSA-DES-CBC3-SHA	SSLv3	Kx=ECDH	Au=RSA	Enc=3DES (168)	Mac=
ECDHE-ECDSA-DES-CBC3-SHA	SSLv3	Kx=ECDH	Au=ECDSA	Enc=3DES (168)	Mac=
SRP-DSS-3DES-EDE-CBC-SHA	SSLv3	Kx=SRP	Au=DSS	Enc=3DES (168)	Mac=
SRP-RSA-3DES-EDE-CBC-SHA	SSLv3	Kx=SRP	Au=RSA	Enc=3DES (168)	Mac=
SRP-3DES-EDE-CBC-SHA	SSLv3	Kx=SRP	Au=SRP	Enc=3DES (168)	Mac=
EDH-RSA-DES-CBC3-SHA	SSLv3	Kx=DH	Au=RSA	Enc=3DES (168)	Mac=
EDH-DSS-DES-CBC3-SHA	SSLv3	Kx=DH	Au=DSS	Enc=3DES (168)	Mac=
DES-CBC3-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=3DES (168)	Mac=
PSK-3DES-EDE-CBC-SHA	SSLv3	Kx=PSK	Au=PSK	Enc=3DES (168)	Mac=
EDH-RSA-DES-CBC-SHA	SSLv3	Kx=DH	Au=RSA	Enc=DES (56)	Mac=
EDH-DSS-DES-CBC-SHA	SSLv3	Kx=DH	Au=DSS	Enc=DES (56)	Mac=
DES-CBC-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=DES (56)	Mac=

Как проверить шифры TLSv1.2

От `sslconfig` меню CLI `config`, используйте "TLSv1.2", когда спросили который шифр SSL проверить:

```
Enter the ssl cipher you want to verify.
```

```
[> TLSv1.2
```

```
ECDHE-RSA-AES256-GCM-SHA384 TLSv1.2 Kx=ECDH Au=RSA Enc=AESGCM(256) Mac=AEAD
ECDHE-ECDSA-AES256-GCM-SHA384 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AESGCM(256) Mac=AEAD
ECDHE-RSA-AES256-SHA384 TLSv1.2 Kx=ECDH Au=RSA Enc=AES(256) Mac=SHA384
ECDHE-ECDSA-AES256-SHA384 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AES(256) Mac=SHA384
DHE-DSS-AES256-GCM-SHA384 TLSv1.2 Kx=DH Au=DSS Enc=AESGCM(256) Mac=AEAD
DHE-RSA-AES256-GCM-SHA384 TLSv1.2 Kx=DH Au=RSA Enc=AESGCM(256) Mac=AEAD
DHE-RSA-AES256-SHA256 TLSv1.2 Kx=DH Au=RSA Enc=AES(256) Mac=SHA256
DHE-DSS-AES256-SHA256 TLSv1.2 Kx=DH Au=DSS Enc=AES(256) Mac=SHA256
ADH-AES256-GCM-SHA384 TLSv1.2 Kx=DH Au=None Enc=AESGCM(256) Mac=AEAD
ADH-AES256-SHA256 TLSv1.2 Kx=DH Au=None Enc=AES(256) Mac=SHA256
AES256-GCM-SHA384 TLSv1.2 Kx=RSA Au=RSA Enc=AESGCM(256) Mac=AEAD
AES256-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=AES(256) Mac=SHA256
ECDHE-RSA-AES128-GCM-SHA256 TLSv1.2 Kx=ECDH Au=RSA Enc=AESGCM(128) Mac=AEAD
ECDHE-ECDSA-AES128-GCM-SHA256 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AESGCM(128) Mac=AEAD
ECDHE-RSA-AES128-SHA256 TLSv1.2 Kx=ECDH Au=RSA Enc=AES(128) Mac=SHA256
```

```
ECDSA-AES128-SHA TLSv1.2 Kx=ECDSA Au=ECDSA Enc=AES(128) Mac=SHA256
DHE-DSS-AES128-GCM-SHA256 TLSv1.2 Kx=DH Au=DSS Enc=AESGCM(128) Mac=AEAD
DHE-RSA-AES128-GCM-SHA256 TLSv1.2 Kx=DH Au=RSA Enc=AESGCM(128) Mac=AEAD
DHE-RSA-AES128-SHA256 TLSv1.2 Kx=DH Au=RSA Enc=AES(128) Mac=SHA256
DHE-DSS-AES128-SHA256 TLSv1.2 Kx=DH Au=DSS Enc=AES(128) Mac=SHA256
ADH-AES128-GCM-SHA256 TLSv1.2 Kx=DH Au=None Enc=AESGCM(128) Mac=AEAD
ADH-AES128-SHA256 TLSv1.2 Kx=DH Au=None Enc=AES(128) Mac=SHA256
AES128-GCM-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=AESGCM(128) Mac=AEAD
AES128-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=AES(128) Mac=SHA256
NULL-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=None Mac=SHA256
```

Как проверить шифры SSLv3

От `sslconfig` меню CLI `config`, используйте "SSLv3", когда спросили который шифр SSL проверить:

```
Enter the ssl cipher you want to verify.
[ ]> SSLv3
```

```
ECDSA-AES256-SHA SSLv3 Kx=ECDSA Au=RSA Enc=AES(256) Mac=SHA1
ECDSA-ECDSA-AES256-SHA SSLv3 Kx=ECDSA Au=ECDSA Enc=AES(256) Mac=SHA1
SRP-DSS-AES-256-CBC-SHA SSLv3 Kx=SRP Au=DSS Enc=AES(256) Mac=SHA1
SRP-RSA-AES-256-CBC-SHA SSLv3 Kx=SRP Au=RSA Enc=AES(256) Mac=SHA1
SRP-AES-256-CBC-SHA SSLv3 Kx=SRP Au=SRP Enc=AES(256) Mac=SHA1
DHE-RSA-AES256-SHA SSLv3 Kx=DH Au=RSA Enc=AES(256) Mac=SHA1
DHE-DSS-AES256-SHA SSLv3 Kx=DH Au=DSS Enc=AES(256) Mac=SHA1
DHE-RSA-CAMELLIA256-SHA SSLv3 Kx=DH Au=RSA Enc=Camellia(256) Mac=SHA1
DHE-DSS-CAMELLIA256-SHA SSLv3 Kx=DH Au=DSS Enc=Camellia(256) Mac=SHA1
ADH-AES256-SHA SSLv3 Kx=DH Au=None Enc=AES(256) Mac=SHA1
ADH-CAMELLIA256-SHA SSLv3 Kx=DH Au=None Enc=Camellia(256) Mac=SHA1
AES256-SHA SSLv3 Kx=RSA Au=RSA Enc=AES(256) Mac=SHA1
CAMELLIA256-SHA SSLv3 Kx=RSA Au=RSA Enc=Camellia(256) Mac=SHA1
PSK-AES256-CBC-SHA SSLv3 Kx=PSK Au=PSK Enc=AES(256) Mac=SHA1
ECDSA-AES128-SHA SSLv3 Kx=ECDSA Au=RSA Enc=AES(128) Mac=SHA1
ECDSA-ECDSA-AES128-SHA SSLv3 Kx=ECDSA Au=ECDSA Enc=AES(128) Mac=SHA1
SRP-DSS-AES-128-CBC-SHA SSLv3 Kx=SRP Au=DSS Enc=AES(128) Mac=SHA1
SRP-RSA-AES-128-CBC-SHA SSLv3 Kx=SRP Au=RSA Enc=AES(128) Mac=SHA1
SRP-AES-128-CBC-SHA SSLv3 Kx=SRP Au=SRP Enc=AES(128) Mac=SHA1
DHE-RSA-AES128-SHA SSLv3 Kx=DH Au=RSA Enc=AES(128) Mac=SHA1
DHE-DSS-AES128-SHA SSLv3 Kx=DH Au=DSS Enc=AES(128) Mac=SHA1
DHE-RSA-SEED-SHA SSLv3 Kx=DH Au=RSA Enc=SEED(128) Mac=SHA1
DHE-DSS-SEED-SHA SSLv3 Kx=DH Au=DSS Enc=SEED(128) Mac=SHA1
DHE-RSA-CAMELLIA128-SHA SSLv3 Kx=DH Au=RSA Enc=Camellia(128) Mac=SHA1
DHE-DSS-CAMELLIA128-SHA SSLv3 Kx=DH Au=DSS Enc=Camellia(128) Mac=SHA1
ADH-AES128-SHA SSLv3 Kx=DH Au=None Enc=AES(128) Mac=SHA1
ADH-SEED-SHA SSLv3 Kx=DH Au=None Enc=SEED(128) Mac=SHA1
ADH-CAMELLIA128-SHA SSLv3 Kx=DH Au=None Enc=Camellia(128) Mac=SHA1
AES128-SHA SSLv3 Kx=RSA Au=RSA Enc=AES(128) Mac=SHA1
SEED-SHA SSLv3 Kx=RSA Au=RSA Enc=SEED(128) Mac=SHA1
CAMELLIA128-SHA SSLv3 Kx=RSA Au=RSA Enc=Camellia(128) Mac=SHA1
IDEA-CBC-SHA SSLv3 Kx=RSA Au=RSA Enc=IDEA(128) Mac=SHA1
PSK-AES128-CBC-SHA SSLv3 Kx=PSK Au=PSK Enc=AES(128) Mac=SHA1
ECDSA-RSA-RC4-SHA SSLv3 Kx=ECDSA Au=RSA Enc=RC4(128) Mac=SHA1
ECDSA-ECDSA-RC4-SHA SSLv3 Kx=ECDSA Au=ECDSA Enc=RC4(128) Mac=SHA1
ADH-RC4-MD5 SSLv3 Kx=DH Au=None Enc=RC4(128) Mac=MD5
RC4-SHA SSLv3 Kx=RSA Au=RSA Enc=RC4(128) Mac=SHA1
RC4-MD5 SSLv3 Kx=RSA Au=RSA Enc=RC4(128) Mac=MD5
PSK-RC4-SHA SSLv3 Kx=PSK Au=PSK Enc=RC4(128) Mac=SHA1
ECDSA-RSA-DES-CBC3-SHA SSLv3 Kx=ECDSA Au=RSA Enc=3DES(168) Mac=SHA1
ECDSA-ECDSA-DES-CBC3-SHA SSLv3 Kx=ECDSA Au=ECDSA Enc=3DES(168) Mac=SHA1
SRP-DSS-3DES-EDE-CBC-SHA SSLv3 Kx=SRP Au=DSS Enc=3DES(168) Mac=SHA1
SRP-RSA-3DES-EDE-CBC-SHA SSLv3 Kx=SRP Au=RSA Enc=3DES(168) Mac=SHA1
SRP-3DES-EDE-CBC-SHA SSLv3 Kx=SRP Au=SRP Enc=3DES(168) Mac=SHA1
```

```
EDH-RSA-DES-CBC3-SHA SSLv3 Kx=DH Au=RSA Enc=3DES(168) Mac=SHA1
EDH-DSS-DES-CBC3-SHA SSLv3 Kx=DH Au=DSS Enc=3DES(168) Mac=SHA1
ADH-DES-CBC3-SHA SSLv3 Kx=DH Au=None Enc=3DES(168) Mac=SHA1
DES-CBC3-SHA SSLv3 Kx=RSA Au=RSA Enc=3DES(168) Mac=SHA1
PSK-3DES-EDE-CBC-SHA SSLv3 Kx=PSK Au=PSK Enc=3DES(168) Mac=SHA1
EDH-RSA-DES-CBC-SHA SSLv3 Kx=DH Au=RSA Enc=DES(56) Mac=SHA1
EDH-DSS-DES-CBC-SHA SSLv3 Kx=DH Au=DSS Enc=DES(56) Mac=SHA1
ADH-DES-CBC-SHA SSLv3 Kx=DH Au=None Enc=DES(56) Mac=SHA1
DES-CBC-SHA SSLv3 Kx=RSA Au=RSA Enc=DES(56) Mac=SHA1
EXP-EDH-RSA-DES-CBC-SHA SSLv3 Kx=DH(512) Au=RSA Enc=DES(40) Mac=SHA1 export
EXP-EDH-DSS-DES-CBC-SHA SSLv3 Kx=DH(512) Au=DSS Enc=DES(40) Mac=SHA1 export
EXP-ADH-DES-CBC-SHA SSLv3 Kx=DH(512) Au=None Enc=DES(40) Mac=SHA1 export
EXP-DES-CBC-SHA SSLv3 Kx=RSA(512) Au=RSA Enc=DES(40) Mac=SHA1 export
EXP-RC2-CBC-MD5 SSLv3 Kx=RSA(512) Au=RSA Enc=RC2(40) Mac=MD5 export
EXP-ADH-RC4-MD5 SSLv3 Kx=DH(512) Au=None Enc=RC4(40) Mac=MD5 export
EXP-RC4-MD5 SSLv3 Kx=RSA(512) Au=RSA Enc=RC4(40) Mac=MD5 export
ECDHE-RSA-NULL-SHA SSLv3 Kx=ECDH Au=RSA Enc=None Mac=SHA1
ECDHE-ECDSA-NULL-SHA SSLv3 Kx=ECDH Au=ECDSA Enc=None Mac=SHA1
NULL-SHA SSLv3 Kx=RSA Au=RSA Enc=None Mac=SHA1
NULL-MD5 SSLv3 Kx=RSA Au=RSA Enc=None Mac=MD5
```

Как проверить низкие шифры

От `sslconfig`> меню `CLI config`, используйте "НИЗКИЙ", когда спросили который шифр SSL проверить:

```
Enter the ssl cipher you want to verify.
[]> LOW
```

```
EDH-RSA-DES-CBC-SHA SSLv3 Kx=DH Au=RSA Enc=DES(56) Mac=SHA1
EDH-DSS-DES-CBC-SHA SSLv3 Kx=DH Au=DSS Enc=DES(56) Mac=SHA1
ADH-DES-CBC-SHA SSLv3 Kx=DH Au=None Enc=DES(56) Mac=SHA1
DES-CBC-SHA SSLv3 Kx=RSA Au=RSA Enc=DES(56) Mac=SHA1
DES-CBC-MD5 SSLv2 Kx=RSA Au=RSA Enc=DES(56) Mac=MD5
```

Как проверить средние шифры

От `sslconfig`> меню `CLI config`, используйте "MEDIUM", когда спросили который шифр SSL проверить:

```
Enter the ssl cipher you want to verify.
[]> MEDIUM
```

```
DHE-RSA-SEED-SHA SSLv3 Kx=DH Au=RSA Enc=SEED(128) Mac=SHA1
DHE-DSS-SEED-SHA SSLv3 Kx=DH Au=DSS Enc=SEED(128) Mac=SHA1
ADH-SEED-SHA SSLv3 Kx=DH Au=None Enc=SEED(128) Mac=SHA1
SEED-SHA SSLv3 Kx=RSA Au=RSA Enc=SEED(128) Mac=SHA1
IDEA-CBC-SHA SSLv3 Kx=RSA Au=RSA Enc=IDEA(128) Mac=SHA1
IDEA-CBC-MD5 SSLv2 Kx=RSA Au=RSA Enc=IDEA(128) Mac=MD5
RC2-CBC-MD5 SSLv2 Kx=RSA Au=RSA Enc=RC2(128) Mac=MD5
ECDHE-RSA-RC4-SHA SSLv3 Kx=ECDH Au=RSA Enc=RC4(128) Mac=SHA1
ECDHE-ECDSA-RC4-SHA SSLv3 Kx=ECDH Au=ECDSA Enc=RC4(128) Mac=SHA1
ADH-RC4-MD5 SSLv3 Kx=DH Au=None Enc=RC4(128) Mac=MD5
RC4-SHA SSLv3 Kx=RSA Au=RSA Enc=RC4(128) Mac=SHA1
RC4-MD5 SSLv3 Kx=RSA Au=RSA Enc=RC4(128) Mac=MD5
RC4-MD5 SSLv2 Kx=RSA Au=RSA Enc=RC4(128) Mac=MD5
PSK-RC4-SHA SSLv3 Kx=PSK Au=PSK Enc=RC4(128) Mac=SHA1
```

Как проверить высокие шифры

От `sslconfig`> меню `CLI config`, используйте "ВЫСОКИЙ", когда спросили который шифр SSL проверить:

Enter the ssl cipher you want to verify.

[]> HIGH

ECDHE-RSA-AES256-GCM-SHA384 TLSv1.2 Kx=ECDH Au=RSA Enc=AESGCM(256) Mac=AEAD
ECDHE-ECDSA-AES256-GCM-SHA384 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AESGCM(256) Mac=AEAD
ECDHE-RSA-AES256-SHA384 TLSv1.2 Kx=ECDH Au=RSA Enc=AES(256) Mac=SHA384
ECDHE-ECDSA-AES256-SHA384 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AES(256) Mac=SHA384
ECDHE-RSA-AES256-SHA SSLv3 Kx=ECDH Au=RSA Enc=AES(256) Mac=SHA1
ECDHE-ECDSA-AES256-SHA SSLv3 Kx=ECDH Au=ECDSA Enc=AES(256) Mac=SHA1
SRP-DSS-AES-256-CBC-SHA SSLv3 Kx=SRP Au=DSS Enc=AES(256) Mac=SHA1
SRP-RSA-AES-256-CBC-SHA SSLv3 Kx=SRP Au=RSA Enc=AES(256) Mac=SHA1
SRP-AES-256-CBC-SHA SSLv3 Kx=SRP Au=SRP Enc=AES(256) Mac=SHA1
DHE-DSS-AES256-GCM-SHA384 TLSv1.2 Kx=DH Au=DSS Enc=AESGCM(256) Mac=AEAD
DHE-RSA-AES256-GCM-SHA384 TLSv1.2 Kx=DH Au=RSA Enc=AESGCM(256) Mac=AEAD
DHE-RSA-AES256-SHA256 TLSv1.2 Kx=DH Au=RSA Enc=AES(256) Mac=SHA256
DHE-DSS-AES256-SHA256 TLSv1.2 Kx=DH Au=DSS Enc=AES(256) Mac=SHA256
DHE-RSA-AES256-SHA SSLv3 Kx=DH Au=RSA Enc=AES(256) Mac=SHA1
DHE-DSS-AES256-SHA SSLv3 Kx=DH Au=DSS Enc=AES(256) Mac=SHA1
DHE-RSA-CAMELLIA256-SHA SSLv3 Kx=DH Au=RSA Enc=Camellia(256) Mac=SHA1
DHE-DSS-CAMELLIA256-SHA SSLv3 Kx=DH Au=DSS Enc=Camellia(256) Mac=SHA1
ADH-AES256-GCM-SHA384 TLSv1.2 Kx=DH Au=None Enc=AESGCM(256) Mac=AEAD
ADH-AES256-SHA256 TLSv1.2 Kx=DH Au=None Enc=AES(256) Mac=SHA256
ADH-AES256-SHA SSLv3 Kx=DH Au=None Enc=AES(256) Mac=SHA1
ADH-CAMELLIA256-SHA SSLv3 Kx=DH Au=None Enc=Camellia(256) Mac=SHA1
AES256-GCM-SHA384 TLSv1.2 Kx=RSA Au=RSA Enc=AESGCM(256) Mac=AEAD
AES256-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=AES(256) Mac=SHA256
AES256-SHA SSLv3 Kx=RSA Au=RSA Enc=AES(256) Mac=SHA1
CAMELLIA256-SHA SSLv3 Kx=RSA Au=RSA Enc=Camellia(256) Mac=SHA1
PSK-AES256-CBC-SHA SSLv3 Kx=PSK Au=PSK Enc=AES(256) Mac=SHA1
ECDHE-RSA-AES128-GCM-SHA256 TLSv1.2 Kx=ECDH Au=RSA Enc=AESGCM(128) Mac=AEAD
ECDHE-ECDSA-AES128-GCM-SHA256 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AESGCM(128) Mac=AEAD
ECDHE-RSA-AES128-SHA256 TLSv1.2 Kx=ECDH Au=RSA Enc=AES(128) Mac=SHA256
ECDHE-ECDSA-AES128-SHA256 TLSv1.2 Kx=ECDH Au=ECDSA Enc=AES(128) Mac=SHA256
ECDHE-RSA-AES128-SHA SSLv3 Kx=ECDH Au=RSA Enc=AES(128) Mac=SHA1
ECDHE-ECDSA-AES128-SHA SSLv3 Kx=ECDH Au=ECDSA Enc=AES(128) Mac=SHA1
SRP-DSS-AES-128-CBC-SHA SSLv3 Kx=SRP Au=DSS Enc=AES(128) Mac=SHA1
SRP-RSA-AES-128-CBC-SHA SSLv3 Kx=SRP Au=RSA Enc=AES(128) Mac=SHA1
SRP-AES-128-CBC-SHA SSLv3 Kx=SRP Au=SRP Enc=AES(128) Mac=SHA1
DHE-DSS-AES128-GCM-SHA256 TLSv1.2 Kx=DH Au=DSS Enc=AESGCM(128) Mac=AEAD
DHE-RSA-AES128-GCM-SHA256 TLSv1.2 Kx=DH Au=RSA Enc=AESGCM(128) Mac=AEAD
DHE-RSA-AES128-SHA256 TLSv1.2 Kx=DH Au=RSA Enc=AES(128) Mac=SHA256
DHE-DSS-AES128-SHA256 TLSv1.2 Kx=DH Au=DSS Enc=AES(128) Mac=SHA256
DHE-RSA-AES128-SHA SSLv3 Kx=DH Au=RSA Enc=AES(128) Mac=SHA1
DHE-DSS-AES128-SHA SSLv3 Kx=DH Au=DSS Enc=AES(128) Mac=SHA1
DHE-RSA-CAMELLIA128-SHA SSLv3 Kx=DH Au=RSA Enc=Camellia(128) Mac=SHA1
DHE-DSS-CAMELLIA128-SHA SSLv3 Kx=DH Au=DSS Enc=Camellia(128) Mac=SHA1
ADH-AES128-GCM-SHA256 TLSv1.2 Kx=DH Au=None Enc=AESGCM(128) Mac=AEAD
ADH-AES128-SHA256 TLSv1.2 Kx=DH Au=None Enc=AES(128) Mac=SHA256
ADH-AES128-SHA SSLv3 Kx=DH Au=None Enc=AES(128) Mac=SHA1
ADH-CAMELLIA128-SHA SSLv3 Kx=DH Au=None Enc=Camellia(128) Mac=SHA1
AES128-GCM-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=AESGCM(128) Mac=AEAD
AES128-SHA256 TLSv1.2 Kx=RSA Au=RSA Enc=AES(128) Mac=SHA256
AES128-SHA SSLv3 Kx=RSA Au=RSA Enc=AES(128) Mac=SHA1
CAMELLIA128-SHA SSLv3 Kx=RSA Au=RSA Enc=Camellia(128) Mac=SHA1
PSK-AES128-CBC-SHA SSLv3 Kx=PSK Au=PSK Enc=AES(128) Mac=SHA1
ECDHE-RSA-DES-CBC3-SHA SSLv3 Kx=ECDH Au=RSA Enc=3DES(168) Mac=SHA1
ECDHE-ECDSA-DES-CBC3-SHA SSLv3 Kx=ECDH Au=ECDSA Enc=3DES(168) Mac=SHA1
SRP-DSS-3DES-EDE-CBC-SHA SSLv3 Kx=SRP Au=DSS Enc=3DES(168) Mac=SHA1
SRP-RSA-3DES-EDE-CBC-SHA SSLv3 Kx=SRP Au=RSA Enc=3DES(168) Mac=SHA1
SRP-3DES-EDE-CBC-SHA SSLv3 Kx=SRP Au=SRP Enc=3DES(168) Mac=SHA1
EDH-RSA-DES-CBC3-SHA SSLv3 Kx=DH Au=RSA Enc=3DES(168) Mac=SHA1
EDH-DSS-DES-CBC3-SHA SSLv3 Kx=DH Au=DSS Enc=3DES(168) Mac=SHA1
ADH-DES-CBC3-SHA SSLv3 Kx=DH Au=None Enc=3DES(168) Mac=SHA1
DES-CBC3-SHA SSLv3 Kx=RSA Au=RSA Enc=3DES(168) Mac=SHA1

DES-CBC3-MD5 SSLv2 Kx=RSA Au=RSA Enc=3DES(168) Mac=MD5

PSK-3DES-EDE-CBC-SHA SSLv3 Kx=PSK Au=PSK Enc=3DES(168) Mac=SHA1

Дополнительные сведения

- [Предотвратите согласования относительно пустых или анонимных шифров на ESA и SMA](#)
- [Измените методы и шифры, используемые с SSL/TLS на ESA](#)