

# Detalhes da força da cifra SSL

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## Introdução

Este documento descreve como ver as cifras SSL que estão disponíveis para o uso e são apoiadas na ferramenta de segurança do email de Cisco (ESA).

## Detalhes da força da cifra SSL

As cifras SSL que são disponíveis para o uso e apoiadas podem ser consideradas a qualquer hora executando o seguinte do CLI: **o sslconfig > verifica**

Quando alertado “incorpore a cifra que SSL você quer verificar”, bata o retorno para deixar esta placa do campo e para indicar TODAS AS cifras.

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=
SEED-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=SEED(128)	Mac=)

CAMELLIA128-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=Camellia(128)	Mac=
IDEA-CBC-SHA	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=
RC4-SHA	SSLv3	Kx=RSA	Au=RSA	Enc=RC4(128)	Mac=
RC4-MD5	SSLv3	Kx=RSA	Au=RSA	Enc=RC4(128)	Mac=
PSK-RC4-SHA	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=

## Como verificar as cifras TLSv1.2

Do `sslconfig` > verifique o menu CLI, usam "TLSv1.2" quando perguntado que cifra SSL a verificar:

```
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
```

```
ECDHE-ECDSA-AES128-SHA256 TLSv1.2 Kx=ECDH 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
```

## Como verificar as cifras SSLv3

Do `sslconfig` > verifique o menu CLI, usam "SSLv3" quando perguntado que cifra SSL a verificar:

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

```
[ ]> SSLv3
```

```
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-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
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-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
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
PSK-RC4-SHA SSLv3 Kx=PSK Au=PSK Enc=RC4(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
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
```

## Como verificar baixas cifras

Do `sslconfig >` verifique o menu CLI, use “PONTO BAIXO” quando perguntado que cifra SSL a verificar:

```
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
```

## Como verificar cifras médias

Do `sslconfig >` verifique o menu CLI, use “MEDIA” quando perguntado que cifra SSL a verificar:

```
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
```

## Como verificar cifras altas

Do `sslconfig >` verifique o menu CLI, use “ELEVAÇÃO” quando perguntado que cifra SSL a

## verificar:

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

## Informações Relacionadas

- [Impeça negociações para cifras nulas ou anônimas no ESA e no S A](#)
- [Altere os métodos e as cifras usados com o SSL/TLS no ESA](#)