

CommPilot ءاطخأ فاشكتسا "SSL_ERROR_NO_CIPHER_OVERLAP" ؛اهحالصإو

تايوتحملإ

[عمدقملإ](#)

[ةيساسألإ تابلطتملإ](#)

[تابلطتملإ](#)

[ةيساسأ تامولعم](#)

[BroadWorks نيوكت](#)

[يفيظولإ ربتخملل لاثم](#)

[نيوكتلإ](#)

[ققحتلإ](#)

[لاصتالآ قيقدت](#)

[أطخ عم يلمعم لاثم](#)

[ةلكشملا](#)

[نيوكتلإ](#)

[ققحتلإ](#)

[لاصتالآ قيقدت](#)

[بارق](#)

[بارقلإ نم ققحتلإ](#)

عمدقملإ

أطخ بئجتل اهحالصإو اهئاطخأ فاشكتسا او BroadWorks نيوكت ةيفيكة دنتسملا اذه فصبي "SSL_ERROR_NO_CIPHER_OVERLAP".

ةيساسألإ تابلطتملإ

تابلطتملإ

ةصنم BroadWorks لآ نم ةفرعم تنأ ىقلتي نأ ي صوي cisco.

ةيساسأ تامولعم

BroadWorks نيوكت

تارفشلل او تالوكوتوربلل نوكت ،ثدحلأ تارادصلل او Broadworks نم 22 تارادصلل ةبسنلاب ىلع اهتيفورم تي يتلإ تاقايسلا لالخ نم (CLI) رماوألأ رطس ةهجاو ربع نيوكتلل ةلباق ةفلتخم نيوكت تايوتسم.

```
'Interface/Port specific - low level'  
CLI/Interface/Http/HttpServer/SSLSettings/Protocols  
CLI/Interface/Http/HttpServer/SSLSettings/Ciphers
```

```
'All interfaces - mid level'  
CLI/Interface/Http/SSLCommonSettings/Protocols  
CLI/Interface/Http/SSLCommonSettings/Ciphers
```

```
'Generic system level - high level'  
CLI/System/SSLCommonSettings/JSSE/Protocols  
CLI/System/SSLCommonSettings/JSSE/Ciphers
```

SSL لس لست نم اديحت لقا رصنع ىلى SSLCommonSettings ىم سمل قايس ل ريشي
ي.م ره ل جردت ل نم اديحت رثكأ رصنع ىلى SSLettings ىم سي قايس و ي م ره ل

ي في ظول ربت خمل ل لاثم

ني وك تال

فرعم ريفشت نود ني صاخ ل ذفنم ل او ه ج اولاب ط ب ترم ى وت سمل اض فخنم ني وك ت

```
CLI/Interface/Http/HttpServer/SSLSettings/Protocols> get 172.16.30.146 443  
Protocol Name  
=====
```

```
TLSv1.1  
TLSv1.2  
TLSv1
```

```
CLI/Interface/Http/HttpServer/SSLSettings/Ciphers> get 172.16.30.146 443  
Cipher Name  
=====
```

0 entry found.

ققحت ل

curl : مادخت سباب ني وك تال نم ققحت

```
$ curl -v -k https://172.16.30.146  
* About to connect() to 172.16.30.146 port 443 (#0)  
* Trying 172.16.30.146...  
* Connected to 172.16.30.146 (172.16.30.146) port 443 (#0)  
* Initializing NSS with certpath: sql:/etc/pki/nssdb  
* skipping SSL peer certificate verification  
* SSL connection using TLS_RSA_WITH_AES_256_CBC_SHA256 <-----  
* Server certificate:  
* subject:  
E=broadworks_tac@cisco.com,CN=*.calo.cisco.com,OU=BroadworksTAC,O=TestIssuer,ST=Veracruz,C=MX  
* start date: Apr 04 20:39:56 2022 GMT  
* expire date: Apr 04 20:39:56 2023 GMT  
* common name: *.calo.cisco.com  
* issuer: CN=Root CA test,OU=BroadworksTAC,O=TestIssuer,L=Tecolutla,ST=Veracruz,C=MX  
>GET / HTTP/1.1  
>User-Agent: curl/7.29.0  
>Host: 172.16.30.146  
>Accept: /*/*  
>  
<HTTP/1.1 302 Found
```

ه TLS_RSA_WITH_AES_256_CBC_SHA256 ةرفش ب TLSv1.2 ربع حاجن ب لاصتالامت انه

لاصتالاقىقت

:اهلوبق مت يتللا تارفش لاولاوكوتورب لامت ققحتلل

```
$ nmap -sV --script ssl-enum-ciphers -p 443 172.16.30.146
```

```
Starting Nmap 6.40 ( http://nmap.org ) at 2022-05-09 04:26 EDT
```

```
Nmap scan report for r23xsp01.calo.cisco.com (172.16.30.146)
```

```
Host is up (0.00013s latency).
```

```
PORT STATE SERVICE VERSION
```

```
443/tcp open ssl/https?
```

```
| ssl-enum-ciphers:
```

```
| TLSv1.0:
```

```
| ciphers:
```

```
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA - strong
```

```
| TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA - strong
```

```
| TLS_ECDHE_RSA_WITH_RC4_128_SHA - strong
```

```
| TLS_RSA_WITH_AES_128_CBC_SHA - strong
```

```
| TLS_RSA_WITH_AES_256_CBC_SHA - strong
```

```
| TLS_RSA_WITH_RC4_128_SHA - strong
```

```
| compressors:
```

```
| NULL
```

```
| TLSv1.1:
```

```
| ciphers:
```

```
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA - strong
```

```
| TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA - strong
```

```
| TLS_ECDHE_RSA_WITH_RC4_128_SHA - strong
```

```
| TLS_RSA_WITH_AES_128_CBC_SHA - strong
```

```
| TLS_RSA_WITH_AES_256_CBC_SHA - strong
```

```
| TLS_RSA_WITH_RC4_128_SHA - strong
```

```
| compressors:
```

```
| NULL
```

```
| TLSv1.2:
```

```
| ciphers:
```

```
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA - strong
```

```
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 - strong
```

```
| TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA - strong
```

```
| TLS_ECDHE_RSA_WITH_AES_256_CBC_SHA384 - strong
```

```
| TLS_ECDHE_RSA_WITH_RC4_128_SHA - strong
```

```
| TLS_RSA_WITH_AES_128_CBC_SHA - strong
```

```
| TLS_RSA_WITH_AES_128_CBC_SHA256 - strong
```

```
| TLS_RSA_WITH_AES_256_CBC_SHA - strong
```

```
| TLS_RSA_WITH_AES_256_CBC_SHA256 - strong
```

```
| TLS_RSA_WITH_RC4_128_SHA - strong
```

```
| compressors:
```

```
| NULL
```

```
|_ least strength: strong
```

أطخ عم يلعم لاثم

ةلكشملا

.ضرعت سمللا ربع "SSL_ERROR_NO_CIPHER_OVERLAP" - أطخ ثدح

```
# curl -v https://172.16.30.146
```

```
* About to connect() to 172.16.30.146 port 443 (#0)
```

```
* Trying 172.16.30.146...
* Connected to 172.16.30.146 (172.16.30.146) port 443 (#0)
* Initializing NSS with certpath: sql:/etc/pki/nssdb * CAfile: /etc/pki/tls/certs/ca-bundle.crt
CApath: none
* NSS error -12286 (SSL_ERROR_NO_CIPHER_OVERLAP)
* Cannot communicate securely with peer: no common encryption algorithm(s).
* Closing connection 0 curl: (35) Cannot communicate securely with peer: no common encryption
algorithm(s).
```

نيوكتال

لوكتورب مادختساب ددحمالا ذفنملاو هجاوالب طبترملا يوتسملال ضفخنم نيوكتال
TLSv1.2
ةومجم مادختساب هنييغت مت يذلا TLSv1.0 Cipher
TLS_ECDH_RSA_WITH_AES_128_GCM_SHA256:

```
CLI/Interface/Http/HttpServer/SSLSettings/Protocols> get 172.16.30.146 443
Protocol Name
=====
TLSv1.2
```

```
CLI/Interface/Http/SSLCommonSettings/Ciphers> get
Cipher Name
=====
TLS_ECDH_RSA_WITH_AES_128_GCM_SHA256
```

ققحتال

curl : مادختساب نيوكتال نم ققحت

```
$ curl -v -k https://172.16.30.146
* About to connect() to 172.16.30.146 port 443 (#0)
* Trying 172.16.30.146...
* Connected to 172.16.30.146 (172.16.30.146) port 443 (#0)
* Initializing NSS with certpath: sql:/etc/pki/nssdb
* NSS error -12286 (SSL_ERROR_NO_CIPHER_OVERLAP)
* Cannot communicate securely with peer: no common encryption algorithm(s).
* Closing connection 0
curl: (35) Cannot communicate securely with peer: no common encryption algorithm(s).
```

لاصتالال قيقدت

اهلوبق مت يتال تارفشلال او تالوكتوربلا نم ققحتلال:

```
$ nmap -sV --script ssl-enum-ciphers -p 443 172.16.30.146
```

```
Starting Nmap 6.40 ( http://nmap.org ) at 2022-05-09 05:31 EDT
Nmap scan report for r23xsp01.calo.cisco.com (172.16.30.146)
Host is up (0.000049s latency).
PORT STATE SERVICE VERSION
443/tcp open https?
| ssl-enum-ciphers:
|_ TLSv1.2: No supported ciphers found
```

ةمومدم تارفش دجوت ال نكلوحتاتم TLSv1.2 لوكتورب نأ ظحال ي، ةادألا جئاتن نم

رارق

عدي مجحت فا م ث ، CLI/Interface/Http/SSLCommonSettings/Ciphers نمض دوجوم لال TLSv1.1 ريفشت فزخا
 TLSv1.2 ريفشت فضا وا) رخا ةرم TLSv1.2 تارفش

```
CLI/Interface/Http/HttpServer/SSLSettings/Protocols> get 172.16.30.146 443
Protocol Name
=====
TLSv1.2
```

```
CLI/Interface/Http/HttpServer/SSLSettings/Ciphers> get 172.16.30.146 443
Cipher Name
=====
0 entry found.
```

```
CLI/Interface/Http/SSLCommonSettings/Ciphers> get
Cipher Name
=====
0 entry found.
```

رارقلا نم ققحتلا

```
$ curl -v -k https://172.16.30.146
* About to connect() to 172.16.30.146 port 443 (#0)
* Trying 172.16.30.146...
* Connected to 172.16.30.146 (172.16.30.146) port 443 (#0)
* Initializing NSS with certpath: sql:/etc/pki/nssdb
* skipping SSL peer certificate verification
* SSL connection using TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 <-----
* Server certificate:
* subject:
E=broadworks_tac@cisco.com,CN=*.calo.cisco.com,OU=BroadworksTAC,O=TestIssuer,ST=Veracruz,C=MX
* start date: Apr 04 20:39:56 2022 GMT
* expire date: Apr 04 20:39:56 2023 GMT
* common name: *.calo.cisco.com
* issuer: CN=Root CA test,OU=BroadworksTAC,O=TestIssuer,L=Teocolutla,ST=Veracruz,C=MX
>GET / HTTP/1.1
>User-Agent: curl/7.29.0
>Host: 172.16.30.146
>Accept: */*
>
<HTTP/1.1 302 Found
```

```
$ nmap -sV --script ssl-enum-ciphers -p 443 172.16.30.146
```

```
Starting Nmap 6.40 ( http://nmap.org ) at 2022-05-09 05:44 EDT
Nmap scan report for r23xsp01.calo.cisco.com (172.16.30.146)
Host is up (0.000063s latency).
PORT STATE SERVICE VERSION
443/tcp open https?
| ssl-enum-ciphers:
| TLSv1.2:
| ciphers:
| TLS_DHE_RSA_WITH_AES_128_CBC_SHA256 - strong
| TLS_DHE_RSA_WITH_AES_128_GCM_SHA256 - strong
| TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA256 - strong
| TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 - strong
```

ةمچرتل هذه لوج

ةللأل تاي نقتل نم ةومچم مادختساب دن تسمل اذہ Cisco تچرت
ملاعلاء ان اعيمچ يف نيمدختسمل معدى وتحم مي دقتل ةيرشبل او
امك ةقيد نوك تنل ةللأل ةمچرت لصف ان ةظحال مچرئ. ةصاخل متهتبل ب
Cisco يلخت. فرتحم مچرت مامدقي يتل ةيفارتحال ةمچرتل عم لالحل وه
ىل ائمءاد ةوچرلاب يصوت وتامچرتل هذه ةقदन ةتيلوئسم Cisco
Systems (رفوتم طبارل) يلصلأل يزىلچنل دن تسمل