

如何创建在CSS11500的证书签名请求

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简介

本文描述如何创建和上传一证书签名请求(CSR)在CSS11500系列交换机。

开始使用前

规则

有关文档规则的详细信息，请参阅 [Cisco 技术提示规则](#)。

先决条件

您需要以下信息创建和上传CSR：

- 国家名(2个字母代码)
- 状态或省(全名)
- 现场命名(城市) [SomeCity]
- 组织名称(公司名称)
- 组织单位名称(部分) [Web Administration]
- 公用名称(您的域名) [!ENTITY!]
- 电子邮件地址[!ENTITY!]
- CSS11500系列交换机用安全套接字层SSL模块
- WebNS 7.10或更加高
- FTP或Secure FTP (SFTP)服务器
- 在CSS配置的FTP记录

使用的组件

本文档中的信息基于以下软件和硬件版本。

- CSS11506
- WebNS 7.20

本文档中的信息都是基于特定实验室环境中的设备创建的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您是在真实网络上操作，请确保您在使用任何命令前已经了解其潜在影响。

[创建在CSS11500的证书签名请求](#)

[逐步指导](#)

本部分提供有关如何配置本文档所述功能的信息。

1. 创建公共/专用密钥对。您需要指定位、文件名和密码编号保护公共/私有密钥对。

```
CSS11506(config)# ssl genrsa rsa1024.pem 1024 "system"
Warning this operation could take a while
and can cause your console to not respond
while the operation is ongoing

Do you want to continue?, [y/n]:y
CSS11506(config)#

!--- If you issue the show ssl files command, you will !--- see that the key pair has been
created.
```

```
CSS11506(config)# show ssl files
File Name                               File Type File Size
-----
rsa1024.pem                             PEM           887
```

2. 关联密钥。

```
CSS11506(config)# ssl associate rsakey test-ssl rsa1024.pem
!--- test-ssl is the name of the association. View Associations
CSS11506(config)# show ssl
associate Certificate Name File Name Used by List -----
RSA Key Name File Name Used by List ----- test-ssl
rsa1024.pem no DH Param Name File Name Used by List -----
DSA Key Name File Name Used by List -----
```

3. 创建CSR。

```
CSS11506(config)# ssl gencsr test-ssl

!--- test-ssl is the name of the association. CSS11506(config)# ssl gencsr test-ssl !---
You will be asked to enter information !--- that will be incorporated into your certificate
!--- request. What you are about to enter is !--- called a Distinguished Name or a DN. !---
For some fields, there will be a default value. !--- If you enter '.', the field will be
left blank. Country Name (2 letter code) [US]US State or Province (full name)
[SomeState]Massachusetts Locality Name (city) [SomeCity]Boxborough Organization Name
(company name) [Acme Inc]Testing SSL Organizational Unit Name (section) [Web
Administration]SSL Admin Common Name (your domain name) [www.acme.com]www.testingsssl.com
Email address [webadmin@acme.com ]webadmin@testingsssl.com
```

4. 给CSR发电子邮件给您的Certificate Authority (CA)。

```
CSS11506(config)# ssl gencsr test-ssl

!--- test-ssl is the name of the association. CSS11506(config)# ssl gencsr test-ssl !---
You will be asked to enter information !--- that will be incorporated into your certificate
!--- request. What you are about to enter is !--- called a Distinguished Name or a DN. !---
For some fields, there will be a default value. !--- If you enter '.', the field will be
left blank. Country Name (2 letter code) [US]US State or Province (full name)
[SomeState]Massachusetts Locality Name (city) [SomeCity]Boxborough Organization Name
```

(company name) [Acme Inc]Testing SSL Organizational Unit Name (section) [Web Administration]SSL Admin Common Name (your domain name) [www.acme.com]www.testingssl.com
Email address [webadmin@acme.com]webadmin@testingssl.com

5. 上传证书对CSS。保存您从您的CA接收作为ASCII文件的证书，并且上传它到FTP或SFTP服务器。

```
CSS11506(config)# ssl gensr test-ssl
```

```
!--- test-ssl is the name of the association. CSS11506(config)# ssl gensr test-ssl !---  
You will be asked to enter information !--- that will be incorporated into your certificate  
!--- request. What you are about to enter is !--- called a Distinguished Name or a DN. !---  
For some fields, there will be a default value. !--- If you enter '.', the field will be  
left blank. Country Name (2 letter code) [US]US State or Province (full name)  
[SomeState]Massachusetts Locality Name (city) [SomeCity]Boxborough Organization Name  
(company name) [Acme Inc]Testing SSL Organizational Unit Name (section) [Web  
Administration]SSL Admin Common Name (your domain name) [www.acme.com]www.testingssl.com  
Email address [webadmin@acme.com ]webadmin@testingssl.com
```

复制证书对CSS。SFTP是推荐，然而，您能也使用FTP。

```
CSS11506# copy ssl ftp ftpserver import sslcert.pem PEM "system"
```

```
!--- sslcert.pem is the certificate file, and system is the password !--- used when the key  
pair was created. CSS11506# show ssl files File Name File Type File Size -----  
-----  
rsa1024.pem PEM 887 sslcert.pem PEM 1210 ****new cert****
```

6. 关联证书。

```
CSS11506(config)# ssl associate cert test-ssl sslcert.pem
```

```
!--- Verify the association. CSS11506(config)# show ssl associate
```

Certificate Name	File Name	Used by List
test-ssl	sslcert.pem	no

RSA Key Name	File Name	Used by List
test-ssl	rsa1024.pem	no

DH Param Name	File Name	Used by List
---------------	-----------	--------------

DSA Key Name	File Name	Used by List
--------------	-----------	--------------

验证

当前没有可用于此配置的验证过程。

故障排除

目前没有针对此配置的故障排除信息。

相关信息

- [技术支持 - Cisco Systems](#)