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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 -----
PEM 887 rsa1024.pem
```

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.testingssl.com Email address [webadmin@acme.com]webadmin@testingssl.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 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 **复制证书对CSS。SFTP是推荐，然而，您能也使用**

```
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 -----

Used by List -----

----- DSA Key Name

File Name

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](#)