

如何在Sx350和Sx550X系列交换机上导入证书

目标

本文档的目标是提供使用图形用户界面(GUI)和命令行界面(CLI)在Sx350和Sx550X系列交换机上成功导入证书的步骤。

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简介

在Sx350和Sx550X交换机上导入证书时遇到的一个问题是，用户**缺少密钥报头和/或无法加载公钥**错误。本文档将说明如何克服这些错误以成功导入证书。证书是标识个人、服务器、公司或其他实体并将该实体与公钥关联的电子文档。证书用于网络，以提供安全访问。证书可由外部证书颁发机构(CA)自签或数字签名。自签名证书(如名称所示)由其自己的创建者签名。CA管理证书请求并向参与实体(如主机、网络设备或用户)颁发证书。CA签名的数字证书被视为行业标准且更安全。

适用的设备和软件版本

- SG350版本2.5.0.83
- SG350X版本2.5.0.83
- SG350XG版本2.5.0.83
- SF350版本2.5.0.83
- SG550X版本2.5.0.83
- SF550X版本2.5.0.83
- SG550XG版本2.5.0.83
- SX550X版本2.5.0.83

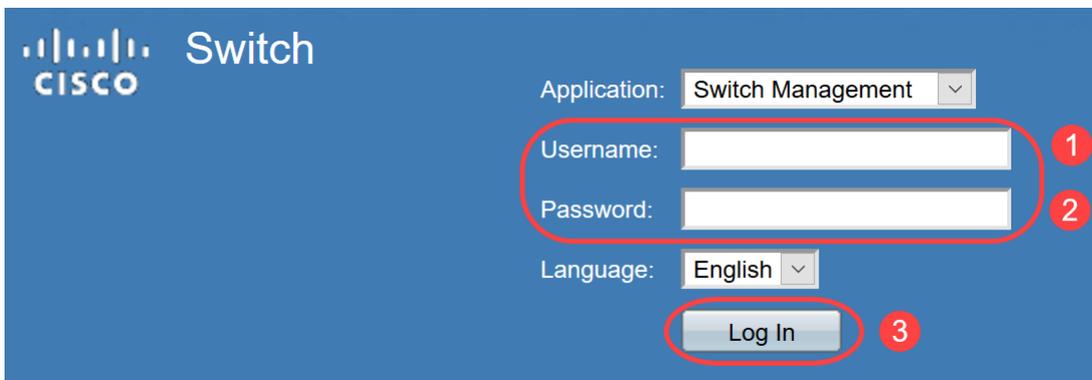
先决条件

您必须拥有自签名或证书颁发机构(CA)证书。获取自签名证书的步骤包含在本文中。要了解有关CA证书的详细信息，请单[击此处](#)。

使用GUI导入

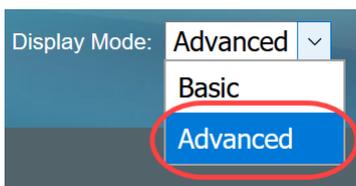
第 1 步

通过输入用户名和密码登录交换机的GUI。单击Log In。



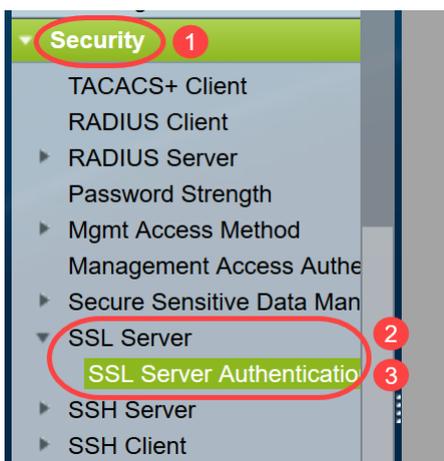
步骤 2

从GUI右上角的“显示模式”中，选择**Advanced** using 下拉选项。



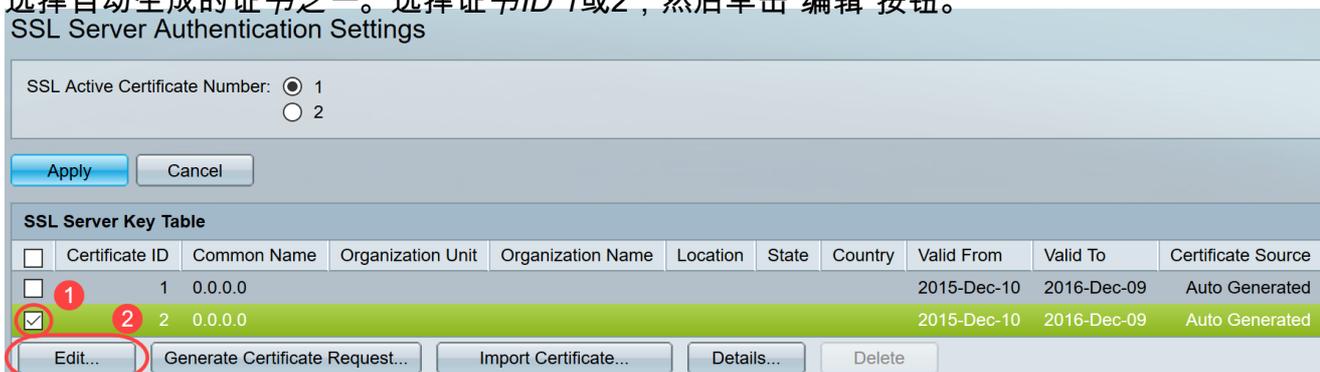
步骤 3

导航至**Security > SSL Server > SSL Server Authentication**。



步骤 4

选择自动生成的证书之一。选择证书ID 1或2，然后单击“编辑”按钮。



步骤 5

要生成自签名证书，请在新弹出窗口上启用“重新生成RSA密钥”并输入以下参数：

密钥长度

公用名

组织单位

单位名称

位置

状态

国家/地区

持续时间

单击生成。

The screenshot shows a web browser window with the address bar displaying "192.168.1.254/csf94298e9/mts/ssl/ssl_serverauth_e_jq.htm". The main content is a certificate generation form. The form includes the following fields and options:

- Certificate ID: Radio buttons for 1 and 2.
- Regenerate RSA Key: A checked checkbox, circled in red with a red circle containing the number 1.
- Key Length: Radio buttons for 2048 bits and 3072 bits, circled in red with a red circle containing the number 2.
- Common Name: Text input field containing "Cisco" (5/64 characters used; Default: 0.0.0.0).
- Organization Unit: Text input field containing "US" (2/64 characters used).
- Organization Name: Text input field containing "Cisco" (5/64 characters used).
- Location: Text input field containing "San Jose" (8/64 characters used).
- State: Text input field containing "California" (10/64 characters used).
- Country: Text input field containing "US" (3072 bits).
- Duration: Text input field containing "365" (Days (Range: 30 - 3650, Default: 365)), circled in red with a red circle containing the number 3.

At the bottom of the form, there are two buttons: "Generate" (circled in red) and "Close".

您还可以从第三方CA创建证书。

步骤 6

 Sensitive data for the current page will be displayed as plaintext. Your HTTP web session is insecure. Do you want to continue?

Don't show me this again

OK Cancel

步骤 9

现在，您将能够以明文形式查看私钥。将明文输出复制到记事本文件。单击 **Close**。

Not secure | 192.168.1.254/csf94298e9/mts/ssl/ssl_serverauth_d_jq.htm

Certificate ID: 2

Certificate: -----BEGIN CERTIFICATE-----
MIIDRzCCAI8CEE90bzMCJXp/nT+78tBROT8wDQYJKoZIhvcNAQELBQAwwYjELMAkG
A1UEBhMCVVMxExARBgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMFNhbIBKb3NI
MQ4wDAYDVQQDDAVDaXNjbzEOMAwGA1UECgwFQ2lzY28xCzAJBgNVBAsMAiVTMB4X
DTE5MDYxODA1NTc1NloXDTIwMDYxNzA1NTc1NlowYjELMAkGA1UEBhMCVVMxExAR
BgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMFNhbIBKb3NIMQ4wDAYDVQQDDAVD

Public Key: -----BEGIN RSA PUBLIC KEY-----
MIIBCAQEAuxUF71CPBJ6asoghDOEZbiFnXhflPSFDlu0SGDtwQHJ7doPp6XVMh7ZCC1TuVWdV5jpe0Jp
8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhlCMmAx1peglvb/A+gInieTgB/Z2EL3eT2xJT0MyqFl
mBPNuL4awjvt9E7IEXhBt1HL0Nr/cuWTLmAOIDmlmKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6wxACel2n4d
mK4GFQvOxzS0A5PcsKUMefaeF/afcbvRcpyv+y88P/DQ/Spq4xsBwjZUDafqt2aSkIrl8L8yHSSD1BWB09X5fjv1
0QNAMQ+QIDAQAB

Fingerprint(Hex): 4F:49:F5:A0:36:C5:AC:C8:F5:A1:E1:62:4F:AD:05:B8:E7:CC:5A:D6

Private Key (Plaintext): -----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAuxUF71CPBJ6asoghDOEZbiFnXhflPSFDlu0SGDtwQHJ7doPp6XVMh7ZCC1TuVWdV5jpe0Jp
e0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhlCMmAx1peglvb/A+gInieTgB/Z2EL3eT2xJT0MyqFl
mBPNuL4awjvt9E7IEXhBt1HL0Nr/cuWTLmAOIDmlmKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6wxACel2n4d
mK4GFQvOxzS0A5PcsKUMefaeF/afcbvRcpyv+y88P/DQ/Spq4xsBwjZUDafqt2aSkIrl8L8yHSSD1BWB09X5fjv10Q
NAMQ+QIDAQABAoIBAAIzH0Lq1V/I45VC/5PkZmOczkr426JO4DDhFcXdzMI8PzQ6EIKExUH0YpV

Close Display Sensitive Data as Encrypted

步骤 10

选择新创建的用户定义证书，然后单击导入证书。

SSL Server Authentication Settings

SSL Active Certificate Number: 1
 2

Apply **Cancel**

	Certificate ID	Common Name	Organization Unit	Organization Name	Location	State	Country	Valid From	Valid To	Certificate Source
<input type="checkbox"/>	1	0.0.0.0						2017-Nov-08	2018-Nov-08	Auto Generated
<input checked="" type="checkbox"/>	2	Cisco	US	Cisco	San Jose	California	US	2019-Mar-13	2020-Mar-12	User Defined

Edit... **Generate Certificate Request...** **Import Certificate...** **Details...** **Delete**

2

步骤 11

在新的弹出窗口中，启用 *Import RSA Key-Pair* 选项，并以明文格式粘贴私钥（在步骤9中复制）。单击 **Apply**。

When a Certificate and/or a Key is entered, it should contain the "BEGIN" and "END" markers.

Certificate ID: 1 2

Certificate Source: User Defined

Certificate: **1**

```
-----BEGIN CERTIFICATE-----
MIIDRzCCAI8CEE90bzMCJXp/nT+78tBROT8wDQYJKoZIhvcNAQELBQAwYjELMAkG
A1UEBhMCVVMxEzARBgNVBAGMCKNBTEIGT1JOSUExETAPBgNVBACMFNhbIBk3NI
MQ4wDAYDVQQDDAVDaXNjbzEOMAwGA1UECgwFQ2IzY28xOjEzY28xOjEzY28xOjEz
DTE5MDYxODA1NTc1Nl0XDTIwMDYxNzA1NTc1Nl0wYjELMAkGA1UEBhMCVVMxEzAR
BgNVBAGMCKNBTEIGT1JOSUExETAPBgNVBACMFNhbIBk3NIMQ4wDAYDVQQDDAVD
```

Import RSA Key-Pair: Enable

Public Key:

```
-----BEGIN RSA PUBLIC KEY-----
MIIBCgKCAQEAuxUF71CPBJ6asoghDOEZbifnXhflPSFDIu0SGDtwQHJ7doPp6XVMh7ZZC1TuVWdV5jpe
0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhlCMmAx1pegbLvb/A+glnieTgB/Z2EL3eT2xJT
0MyqFImBPNUl4awjvt9E7IEXhBt1HL0Nr/cuWTLmAOIDmlmKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6w
xAcEl2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcBvRcypyv+y88P/DQ/Spq4xsBwjRZUDafqt2aSkIr8L8yHSSD
1BWB09X5fjv10QNAMQ+QIDAQAB
```

Private Key: Encrypted **2**

Plaintext **3**

```
-----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAuxUF71CPBJ6asoghDOEZbifnXhflPSFDIu0SGDtwQHJ7doPp6XVMh7ZZC1TuVWdV
5jpe0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhlCMmAx1pegbLvb/A+glnieTgB/Z2EL3eT2
xjJT0MyqFImBPNUl4awjvt9E7IEXhBt1HL0Nr/cuWTLmAOIDmlmKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3
G6wxAcEl2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcBvRcypyv+y88P/DQ/Spq4xsBwjRZUDafqt2aSkIr8L8yH
SSD1BWB09X5fjv10QNAMQ+QIDAQABAoIBAAIZH0Lq1V/I45VC/5PKZmOczkr426JQ4DDhFcXdzMI8PzQ6
```

Apply Close Display Sensitive Data as Plaintext

在本示例中，公钥的 *BEGIN* 和 *END* 中包含了关键字 *RSA*。

步骤 12

屏幕上将显示成功通知。您可以关闭此窗口并保存交换机上的配置。

▲ Not secure | 192.168.1.254/csf94298e9/mts/ssl/ssl_serverauth_imp_jq.htm

✓ Success. To permanently save the configuration, go to the [File Operations](#) page or click the Save icon.

When a Certificate and/or a Key is entered, it should contain the "BEGIN" and "END" markers.

Certificate ID: 1 2

Certificate Source: User Defined

★ Certificate:

```
-----BEGIN CERTIFICATE-----
MIIDRzCCAI8CEE90bzMCJXp/nT+78tBROt8wDQYJKoZIhvcNAQELBQAwYjELMAkG
A1UEBhMCVVMxEzARBgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMCFNhbIBKb3NI
MQ4wDAYDVQQDDAVDaXNjbzEOMAwGA1UECgwFQ2l2Y28xOzA1UEBhMCVVMxEzAR
DTE5MDYxODAxNTc1Ni0xODIwMDYxNzA1NTc1Ni0wYjELMAkGA1UEBhMCVVMxEzAR
BgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMCFNhbIBKb3NIMQ4wDAYDVQQDDAVD
```

Import RSA Key-Pair: Enable

★ Public Key:

```
-----BEGIN RSA PUBLIC KEY-----
MIIBCgKCAQEAuxUF71CPBJ6asoghDOEZbifnXhflPSFDlu0SGDtwQHJ7doPp6XVMh7ZC1TuVWdV5jpe
0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhiCMmAx1pegbLvb/A+gInieTgB/Z2EL3eT2xjJT
0MyqFImBPNuL4awjvt9E7IEXhBT1HL0Nr/cuWTLmAOIDmImKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6w
xAcEl2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcbVrcpyv+y88P/DQ/Spg4xsBwjZUDafqt2aSkIr8L8yHSSD
1BWB09X5fjv10QNAMQ+QIDAQAB
```

★ Private Key: Encrypted Plaintext

Apply Close Display Sensitive Data as Plaintext

可能的错误

讨论的错误与公钥有关。通常使用两种类型的公钥格式：

1. RSA公钥文件(PKCS#1):这特定于RSA密钥。

它以标签开头和结尾：

— 开始RSA公钥 —

BASE64编码数据

— 结束RSA公钥 —

2. 公钥文件(PKCS#8):这是一种更通用的密钥格式，用于标识公钥的类型并包含相关数据。

它以标签开头和结尾：

— 开始公钥 —

BASE64编码数据

— 最终公钥 —

密钥标头丢失错误

情形 1：您从第三方CA生成证书。您复制并粘贴了公钥，然后单击了应用。

When a Certificate and/or a Key is entered, it should contain the "BEGIN" and "END" markers.

Certificate ID: 1
 2

Certificate Source: User Defined

Certificate:

```
-----BEGIN CERTIFICATE-----
MIIDRzCCAi8CEE90bzMCJXp/nT+78tBR0t8wDQYJKoZIhvcNAQELBQAwYjELMAkG
A1UEBHMCVVMxEzARBgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMCFNhbIBKb3NI
MQ4wDAYDVQQDDAVDaXNjbzEOMAwGA1UECgwFQ2lzY28xCzAJBgNVBAsMAIVTMB4X
DTE5MDYxODA1NTc1NloXDTIwMDYxNzA1NTc1NlowYjELMAkGA1UEBHMCVVMxEzAR
BgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMCFNhbIBKb3NIMQ4wDAYDVQQDDAVD
```

Import RSA Key-Pair: Enable

Public Key:

```
-----BEGIN PUBLIC KEY-----
MIIBBgKCAQEAAuxUF/1CPBJ6asoghDOEZbiFnXhflPSFDIu0SGDtwQHJ7doPp6XVMh7ZCC1TuVWdV5jpe0J
p8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhlCMmAx1peqLvb/A+glnieTaB/Z2EL3eT2xjJT0My
qFlmBPNuL4awivtt9E7IEXhBt1HL0Nr/cuWTLmAOIDmImKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6wxACel
2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcBvRcpvy+v88P/DQ/Spq4xsBwirZUDafat2aSkIrl8L8yHSSD1BWB0
9X5fiv10QNAMQ+QIDAQAB
```

Private Key: Encrypted

Plaintext

```
-----BEGIN RSA PRIVATE KEY-----
MIIEogIBAAKCAQEAAuxUF71CPBJ6asoghDOEZbiFnXhflPSFDIu0SGDtwQHJ7doPp6XVMh7ZCC1TuVWdV5j
pe0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhlCMmAx1peqLvb/A+glnieTaB/Z2EL3eT2xjJT
0MyqFlmBPNuL4awivtt9E7IEXhBt1HL0Nr/cuWTLmAOIDmImKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6wx
ACel2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcBvRcpvy+v88P/DQ/Spq4xsBwirZUDafat2aSkIrl8L8yHSSD1B
WB09X5fiv10QNAMQ+QIDAQABAOIBAAIzH0Lq1V/I45VC/5PkZmOczkr426JO4DdhFcXdzMI8PzQ6EIKExUH
```

您收到消息，错误：缺少密钥标头。关闭窗口。可进行一些修改，使此问题消失。



When a Certificate and/or a Key is entered, it should contain the "BEGIN" and "END" markers.

Certificate ID: 1 2

Certificate Source: User Defined

Certificate: -----BEGIN CERTIFICATE-----
MIIDRzCCAI8CEE90bzMCJXp/nT+78tBROt8wDQYJKoZIhvcNAQELBQAwYjELMAKGA1UEBhMCVVMxEzARBgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMCFNhbIBKb3NI
MQ4wDAYDVQQDDAVDaxNjbzEOMAwGA1UECgwFQ2IzY28xCzAJBgNVBAsMAIVTMB4X
DTE5MDYxODA1NTc1NloXDTEwMDYxNzA1NTc1NlowYjELMAKGA1UEBhMCVVMxEzAR
BgNVBAGMCKNBTEIGT1JOSUEXETAPBgNVBACMCFNhbIBKb3NIMQ4wDAYDVQQDDAVD

Import RSA Key-Pair: Enable

Public Key: -----BEGIN RSA PUBLIC KEY-----
MIIBKgKCAQEAuxUF71CPBJ6asoghDOEZbifnXhflPSFDiu0SGDtwQHJ7doPp6XVMh7ZZC1TuVWdV5jpe
0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhICMmAx1pegbLvb/A+glnieTgB/Z2EL3eT2xJT
0MyqFImBPNuL4awjvt9E7IEhBt1HL0Nr/cuWTLmAOIDmImKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6w
xAcel2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcbvRcypyv+y88P/DQ/Spg4xsBwjrzUDafqt2aSkIr8L8yHSSD
1BWB09X5fjv10QNAMQ+QIDAQAB

Private Key: Encrypted Plaintext

Apply Close Display Sensitive Data as Plaintext

要修复此错误，请执行以下操作：

将关键字RSA添加到公钥的开头：开始RSA公钥

将关键字RSA添加到公钥的末尾：结束RSA公钥

从密钥代码中删除前32个字符。下面突出显示的部分是前32个字符的示例。

```
-----BEGIN RSA PUBLIC KEY-----  
MIIBKgKCAQEAuxUF71CPBJ6asoghDOEZbifnXhflPSFDiu0SGDtwQHJ7doPp6XVMh7ZZC1TuVWdV5jpe  
0Jp8CFuMH/Azj9JDR1fsVqBAFU2v0L+jhPS5VDN63iUHjeAhICMmAx1pegbLvb/A+glnieTgB/Z2EL3eT2xJT  
0MyqFImBPNuL4awjvt9E7IEhBt1HL0Nr/cuWTLmAOIDmImKN2CRHuz2cxjp0+uA2bY85bNefQoJbE3G6w  
xAcel2n4dmK4GFQvOxzS0A5PcsKUMefaeF/afcbvRcypyv+y88P/DQ/Spg4xsBwjrzUDafqt2aSkIr8L8yHSSD  
1BWB09X5fjv10QNAMQ+QIDAQAB
```

应用设置时，在大多数情况下不会出现Key header is missing 错误。

无法加载公钥错误

方案 2：您在一台交换机上生成了证书，并将其导入到另一台交换机。删除前32个字符后，复制并粘贴公钥，然后单击“应用”。

When a Certificate and/or a Key is entered, it should contain the "BEGIN" and "END" markers.

Certificate ID: 1
 2

Certificate Source: User Defined

Certificate: -----BEGIN CERTIFICATE-----
MIIDSTCCAjECEHV4jm/bIKGoJFHmCvnyTWUwDQYJKoZIhvcNAQELBQAwYzELMAKG
A1UEBhMCSU4xEDA0BGNVBAgMB0hhcnlhbmExEDA0BGNVBAcMB0d1cmdhb24xEDA0
BgNVBAMMBzAuMCAwLjAxDAJAMBGNVBAoMBUNpc2NvMQ4wDAYDVQQQLDAVDAxNjzAe
Fw0xOTA2MTkwMjQyMzRaFw0yMDA2MTgwMjQyMzRaMGMxMzAxBG9NBAYTAkiOMRAw
DgYDVQQIDAdiYXJ5J5YW5hMRAwDgYDVQQHDAAdHdXJnYW9uMRAwDgYDVQQDDAcwLjAu

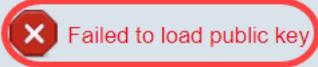
Import RSA Key-Pair: Enable

Public Key: -----BEGIN RSA PUBLIC KEY-----
/oy4ryP3fqiO8QHfzQsMSCCHrq5repNDfLFRV8LtBFIq3QilBHDtLJ07Pj29mgdVFHX/p3ArKS3QjuDST2/+A0CGVN
J5ZPG8qKw58HWRIMcv0vblqDJI/ejOaYiGA10GX8eiT8lxifMblJomiiFd/MWOf8C2/3nmbhKk/LsKI+koTucCbquVf
shpwP2WdWWReDU9qb8WLFrdnNQhGWR/N794HgAu0HyxpT7qDOVYy4FAGIR1pblDdAYHe8/sVXUCCuAFil
92aDPeK1ZCMAcDJaMaQ4trqX/Km6vgBnvBePl1yaWiSOqaG0zgjir7YQIDAQAB
-----END RSA PUBLIC KEY-----

Private Key: Encrypted

Plaintext
-----BEGIN RSA PRIVATE KEY-----
MIIEpQIBAAKCAQEApAgqvAcD58ScvYwW5vzx/oy4ryP3fqiO8QHfzQsMSCCHrq5repNDfLFRV8LtBFIq3QilBH
DtLJ07Pj29mgdVFHX/p3ArKS3QjuDST2/+A0CGVNJ5ZPG8qKw58HWRIMcv0vblqDJI/ejOaYiGA10GX8eiT8
lxifMblJomiiFd/MWOf8C2/3nmbhKk/LsKI+koTucCbquVfshpwP2WdWWReDU9qb8WLFrdnNQhGWR/N794H
gAu0HyxpT7qDOVYy4FAGIR1pblDdAYHe8/sVXUCCuAFil92aDPeK1ZCMAcDJaMaQ4trqX/Km6vgBnvBePl
1yaWiSOqaG0zgjir7YQIDAQABAoIBAQCTUfJvpS1Qvzi21FbNZmhBYkmMoxTpYKHguvowxbZqIS07KdPF5v

屏幕上出现了“Failed to load public key(无法加载公钥)”错误。



When a Certificate and/or a Key is entered, it should contain the "BEGIN" and "END" markers.

Certificate ID: 1
 2

Certificate Source: User Defined

Certificate: -----BEGIN CERTIFICATE-----
MIIDSTCCAjECEHV4jm/bIKGoJFHmCvnyTWUwDQYJKoZIhvcNAQELBQAwYzELMAkG
A1UEBhMCSU4xEDAObGNVBAgMB0hhcnIhbmExEDAObGNVBAcMB0d1cmdhb24xEDAO
BgNVBAMMBzAuMC4wLjAxDjAMBgNVBAoMBUNpc2NvMQ4wDAYDVQQLEDAVDAxNjBzAe
Fw0xOTA2MTkwMjQyMzRaFw0yMDA2MTgwMjQyMzRaMGMrCzAJBGNVBAYTAkIOMRAw
DgYDVQQIDAdlYXJ5J5Yw5hMRAwDgYDVQQHDAdHdXJnYW9uMRAwDgYDVQQDDAcwLjAu

Import RSA Key-Pair: Enable

Public Key: -----BEGIN RSA PUBLIC KEY-----
MIIBCgKCAQEAqAgqvAcD58ScvYwW5vzx/oy4ryP3fqiO8QHfzQsMSCCHrq5repNDfLfrV8LtbFIq3QilBHDtL
J07Pj29mgdVFHX/p3ArKS3QjuDST2I/+A0CGVNJ5ZPG8qKw58HWRIMcyv0vblqDJI/ejOaYIGA10GX8eIT8lx
lfMblJomiiFd/MWOf8C2/3nmbhKk/LsKl+koTucCbquVfshpwP2WdWWReDU9gb8WLFrdnNQHGWRR/N794H
gAu0HyxpT7qDOVrYv4FAGIR1pblDdAYHe8/sVXUCCuAFil92aDPeK1ZCMAcDJaMaQ4trqx/Km6vgBnvBe
P11yaWiSOqaG0zgjir7YQIDAQAB

Private Key: Encrypted

Plaintext

Apply Close Display Sensitive Data as Plaintext

要修复此错误，请勿在本例中删除公钥的前32个字符。

- RSA -

- -

MIIFvTCCBKWgAwIBAgIRA0OBWg4bkStdWPvCNYjHpbYwDQYJKoZIhvcNAQELBQAw

- 28.....

8S+39m9wPAOZipI0JA1/0IeG7ChLWOXKncMeZWVTIUZaEwVff0cUzqXwOJcsTrMV

JDpTnbKXG56w0Trecu6UQ9HsUBoDQnlSN5ZBht1VyjAP

- -

C=xxST=GxxxxxL=xxO=xx CA LimitedCN=xx RSACA

61400:00:00 2017GMT

91123:59:59 2020 GMT

C=DE/postalCode=xxx ST=xx L=xx/street=xxx 2, O=xxx OU=IT CN=*.kowi.eu

SHAxxxxxx

结论

您现在已学习了使用GUI和CLI在Sx350和Sx550X系列交换机上成功导入证书的步骤。