

聚合的访问无线局域网控制器第三方认证安装

目录

[简介](#)
[安装](#)
[命令](#)
[步骤](#)
[示例](#)

简介

本文描述如何安装在一Cisco Catalyst 3850系列交换机或Cisco 5760无线局域网控制器(WLC)的一证书，因此证书可以为认证的目的使用的以后。这是着重新一代无线控制器的一个通用的文档(NGWC)交换机的认证安装。

安装

当您从供应商时获得用户证书，您通常接收在增强加密邮件(PEM)格式的三个实体：

1. 用户证书
2. Rivest Shamir Adelman (RSA)密钥
3. 根证书

Cisco Catalyst 3850系列交换机和Cisco 5760 WLC的此安装过程与Cisco 5508 WLC的安装有所不同。

注意：

使用[命令查找工具](#) ([仅限注册用户](#)) 可获取有关本部分所使用命令的详细信息。

[命令输出解释程序工具](#) ([仅限注册用户](#)) 支持某些 **show** 命令。请使用Output Interpreter Tool为了查看show命令输出分析。

命令

这些是用于安装示例的命令：

1. **configure terminal**
2. **crypto pki trustpoint名称**
3. **登记终端pem**

4. **crypto pki验证名称**
5. **显示crypto pki证书**

步骤

此步骤描述如何安装一第三方证书。

1. 安装信任点用这些命令：

```
configure terminal
crypto pki trustpoint trustp1 <--- trustp1 is a word string
any word can be used here.
(ca-trustpoint)#enrollment terminal pem
(ca-trustpoint)#exit
```

2. 验证信任点：

输入**crypto pki验证命令**：

```
(config)#crypto pki authenticate trustp1
```

Enter the base 64 encoded CA certificate.

End with a blank line or the word "quit" on a line by itself

复制和插入用户证书;请务必包括-----开始证书-----并且-----END证书-----线路。

按回车，并且键入**离开**。

```
(config)#crypto pki authenticate trustp1
```

Enter the base 64 encoded CA certificate.

End with a blank line or the word "quit" on a line by itself

键入**yes**。

输入**crypto pki trustpoint**命令为了发现证书。

3. 导入根证明。

输入**import命令crypto的pki**：

```
(config)crypto pki import trustroot pem terminal passphrase
```

% Enter PEM-formatted CA certificate.

% End with a blank line or "quit" on a line by itself

复制和插入根证明。

按回车，并且键入**离开**。

```
(config)crypto pki import trustroot pem terminal passphrase
```

% Enter PEM-formatted CA certificate.


```
bTBABggrBgEFBQCwAoY0aHR0cDovL1NWU1NlY3VyZS1HMy1haWEudmVyaXNpZ24u
Y29tL1NWU1NlY3VyZUcZLmNlcjANBkgkqhkiG9w0BAQUFAAOCAQEAREYq+92lCiDX
8hG4FyAEsvcl1DEhGUVy0URn8U7nYF7kN4NZdUKHFx86izPYJiC0yB6SsbMtZ68t
r8OwPFUOzRvPfhzivtn/mL1TtEPjWiItOKmM6vpYayDMv8bbgIf+LL981qS2XV5L
Sk3eylZyVVVCqavw2BsvPAcklqvX7stSjQhtAoXeL9WBCfPlI5w/Fd6OP5J6XVBF
CHgAauqR5hONWge9M4xh6jDC0kLcrRcFXLbcDtS0DXHVBfBfDipoM2yRDdaVOwfZ
CrTL3cZA9HLzI3QtPkzLC7RrRP8r3bBkIYMNyGO465fe9IMV3MgTFey8G26mn+R5
iG3ddRLhA==
-----END CERTIFICATE-----
```

```
Trustpoint 'verisign.com' is a subordinate CA and holds a non self signed cert
Trustpoint 'verisign.com' is a subordinate CA.
but certificate is not a CA certificate.
Manual verification required
Certificate has the following attributes:
```

```
Fingerprint MD5: EF9EE16F 535D51D4 0E5E9809 F48CF6EE
Fingerprint SHA1: FB166D5D 5F301F93 3CA2015A F5745C52 46030D9E
```

```
% Do you accept this certificate? [yes/no]:
Trustpoint CA certificate accepted.
% Certificate successfully imported
```

```
(config)#s
% Incomplete command.
```

```
# show crypto pki trustpoints
```

```
Trustpoint verisign.com:
  Subject Name:
    cn=ciscouser
    ou=ciscotech
    o=ciscoj
    l=Bangalore
    c=IN
  Serial Number (hex): 411B571C6F18E77E1D63A1244BA80788
Certificate configured.
```

```
(config)# crypto pki import VeriG3 pem terminal password
% Enter PEM-formatted CA certificate. <--- This is the ROOT CERTIFICATE
% End with a blank line or "quit" on a line by itself.
```

```
-----BEGIN CERTIFICATE-----
MIIF7DCBNSgAwIBAgIQbsx6pacDIAM4zrz06VLUkTANBgkqhkiG9w0BAQUFAADCB
yJELMAkGA1UEBhMCMVVMxZAVBgNVBAoTDlZlcmlTaWduLCBjb250bW8wHQYDVQQL
ExZWZlZjU2bnBiU29tLmNlcjANBkgkqhkiG9w0BAQUFAAOCAQEAREYq+92lCiDX
8hG4FyAEsvcl1DEhGUVy0URn8U7nYF7kN4NZdUKHFx86izPYJiC0yB6SsbMtZ68t
r8OwPFUOzRvPfhzivtn/mL1TtEPjWiItOKmM6vpYayDMv8bbgIf+LL981qS2XV5L
Sk3eylZyVVVCqavw2BsvPAcklqvX7stSjQhtAoXeL9WBCfPlI5w/Fd6OP5J6XVBF
CHgAauqR5hONWge9M4xh6jDC0kLcrRcFXLbcDtS0DXHVBfBfDipoM2yRDdaVOwfZ
CrTL3cZA9HLzI3QtPkzLC7RrRP8r3bBkIYMNyGO465fe9IMV3MgTFey8G26mn+R5
iG3ddRLhA==
-----END CERTIFICATE-----
```

```
Y3JsMA4GA1UdDwEB/wQEAwIBBjBtBggrBgEFBQcBDARhMF+hXaBbMFkwVzBVFGlp
bWFnZS9naWYwITAFMACGBSsOAwIaBBSP5dMahqyNjmvDz4Bq1EgYLHsZLjAlFiNo
dHRwOi8vbG9nby52ZXJpc2lnbi5jb20vdnNsb2dvLmdpZjAoBgNVHREITAFpB0w
GzEZMbcGAlUEAxMQVnVyaVNPZ25NUETJLTITnJAdBgNVHQ4EFgQUODURcFlNEwYJ+
HSCrJfQBY9i+eaUwHwYDVR0jBBgwFoAUF9Nlp8Ld7LvWManzQzn6Aq8zMTMwDQYJ
KoZIHvCNAQEFBQADggEBAAYDJO/dwwzZWJz+NrbrioBL0aP3nfPMU++CnqOh5pfb
WJ1lboAdG0z60cEtBcDqbrIicFXZIDNAMwfcZYP6j0M3m+oOmmxw7vacgDvZN/R6
bezQGH1JSsqZxxkoor7YdyT3hSaGbYcFQEFn0Sc67dxIHSLNCwuLvPSxe/20majp
dirhGi2HbnTTiN0eIsbfFrYrghQKlFzyUOyvzv9iNw2tZdMGQVPtAhTItVgoaazg
W+yzf5VK+wPIrSbb5mZ4EkrZn0L74ZjmQoObj49nJOhhGbXdzbULJgWOW27EyHW4
Rs/iGAZeqa6ogZpHFt4MKGwlJ7net4RYxh84HqTEy2Y=
-----END CERTIFICATE-----
```

```
% Enter PEM-formatted encrypted private General Purpose key.
% End with "quit" on a line by itself.
```

```
-----BEGIN RSA PRIVATE KEY-----
```

```
Proc-Type: 4, ENCRYPTED
DEK-Info: DES-EDE3-CBC,1E71580604A10032
xz3n4/odG8PFwe/FL6lhNmKXUgg09A82kupYuAljWy4Pmz0gAk7fMTNBnrilk/Uq
c2WrM34tdURukNfYv3IbvkGa6QsTQu5sYZ+83Igsdsh0xOw/xJNvs6aaOnF0frNN
wiRYOS5QGf9+A98kEw0g66ye04C9Xjr39+peSgmAchI4smAF486bK2xDRzlp2Ewi
bL+pgsY61/fYMDQWASRzJkkCi4sG4kQo5c5j3HpAwz3nVoQc j/R3AU7zcywMuVz0
qYiU4DcCq0Za6HXQS8vJ0yct10FjoXadZmgYtj7LbX1c+mJhTPDaPyKC56X3LOBg
KAQ0xwIC/ucyBoR02NhlSDoXGvX76W0J6J/jdaam/vcWdO212SEq68FkRNsJr8y/
DS7/aU4rhw3pI994essfAgkeloqSx200zRb4SXY5pfr/yVr1szwDmqOadFYogQxS
UR7KruVaXqZBFNhesUnxs5EmIMWsbTe+qbavSJVYUyQus0FTEzNWSaLkTTsQaCE2
AkhSajND2HwzBrGvMBWobIFgk0000wcwras216uBp3mEGTjqdpmYhY7C5JXzkYUI
Ct8ZY+DJHMF0Uips/JvmglJ7Vr+ixCKa3ZmAf7J9sbJfChRKDAvKXVzVZXkf3W12
AAGVNlbTf8xHyFsRA/b/BXJjuJAKSGzbDdHU19GJNh/CjRIgppJyvcrfVK+dirC50
r1EsIBP+xuplfQphVTEwHo1+NYPg7sMLFV/vR8tHilzrJAxtde/LsXQDhd2XFwuo
VMexTY9t9EhtM4tH0oLLED0zv/niUocDqKorAd8/arJ4iSQTtjnlIUCF1TS1Lqg
U2icCL4/9NL0Ulnuy2DxLl1j7u6gNixGLTuDWgaKR90UweqLuw2he73pUS2eAIBw6
AP7YgKhOqMLa5MlJYHNz6uWdtqBLbNXlTopVcqKk4EWemTSZtRD94ucNsBmH7GBJ
juUYPh8mFrvBRDOBe70vche0vzN3ouw3CcVdT6VAuVzns3LFpGxeSbBUyoAV6SD7
7xHahcoCXAGcfff2eXmTWNwocm2sf19Hv4tPrWzfTyKdltHcg+GxPqAOGp5NsGw4D
H/61+6tO3lZt73/Nit2j0+sdgQs+MaRqWpOJfwV1bw2/4c jn39qa4jB33QUebuJu
zXJdWwK9jfcMzJM71QVcnGT8xqsC/+mcVY72ryf5QwQDagUcpOirHc+6/ULvYMy7
lWPjKlAoZDt1fqnI1kgY+cQkbPBrbBARZlXhqjKBmUm2oaCU5Bh6ppRIBrBB/+I1
Dat43W3/MBOvu9LBC+oPB8MXVeuMYU96Uky1l3hh7YX0iP7Wn9uwur+jx/Ni1St0
dNST+pSRIPDgdph2ebRA7zNMruu9/U0+zQH+hJ8KdpGWVe3r4R6aR+FHRyT17rXZ
Jbnlgt/yfIU4QnMTFislbJNbnJNZgRWKC55A7kDPshUJ/gB50IYtB4covXftEel7g
odqkMLAc3Pgb6YQnVvHC4kCNTbGSvtPdidQRxMT2nVwFrpn7qI5x9pFp+IW015gk
-----END RSA PRIVATE KEY-----
```

quit

```
% Enter PEM-formatted General Purpose certificate.
% End with a blank line or "quit" on a line by itself.
```

```
-----BEGIN CERTIFICATE----- <--- This is the USER CERTIFICATE
```

```
MIIFCzCCBFugAwIBAgIQQRtXHG8Y534dY6EkS6gHiDANBkgqhkiG9w0BAQUFADCB
tTElMAkGAlUEBhMCMVmxFzAVBgNVBAoTDlZlcmlTaWduLCBjb20wMDUyMjE2MDEw
ExZWZlZjUybnBiUcnVzdCBOZXR3b3JrMTswOQYDVQQLZzUuZm9udC51b3R1b3R1
YXQgaHR0cHM6Ly93d3cuZm9udC51b3R1b3R1YXQgaHR0cHM6Ly93d3cuZm9udC51
VmVyaVNPZ24gQ2xhc3MgMyBTZW51cmUgU2VydMvYIENBIC0gRzRzMHhcnMTIwNzIz
MDAwMDAwWhcNMTQwODE5MjM1OTU1MjE2MDEwMDEwMDEwMDEwMDEwMDEwMDEwMDEw
CElhcmlsYW5kMkRlWFAyYDQVQHFALCYWx0aW1vcmluZS4uZm9udC51b3R1b3R1b3R1
UHJpY2UgQXNzb2NpYXRlc3R1b3R1b3R1b3R1b3R1b3R1b3R1b3R1b3R1b3R1b3R1
bm9sb2dpZXMxJDAiBgNVBAMUG3dsZ3Vlc3R1b3R1b3R1b3R1b3R1b3R1b3R1b3R1
ASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAJvJpXRzliY8d11vCZcChi2c
5uIn0TnUhr8QQRw0kstr0JTTmSJpaOVTwOb0HoLgC8lH2VRAIxxvXdi49AQPYoY5
z8UxeH29XqKikYR399K7/L9W9caYwWSjn4eLqllk0GLmGMtE7T4I2bhssAgfV2+k
kpS4RymNUdSgCWzDrm575xyzVCCiOGUPjTxb5U7sWPASqpEvgoX88fPPpTtzTJl
XE1nlEriCbElz1/wprxlfH4XmptL79F8FQTWZ0MvMzyLEriR+dHXxtbBUkCPvgFY
7Nruz4Rj5Uk4S33G1EVvExfMF/wa+rtFU4RwlV4DESbrhSFhLeEruFfpzOWhMj0C
```

```
AwEAAaOCAySwggGHMCYGA1UdEQQfMB2CG3dsZ3Vlc3RjaGVjay50cm93ZXByaWNl
LmNvbTAJBgNVHRMEAjAAMA4GA1UdDwEB/wQEAWIFoDBFBgNVHR8EPjA8MDqgOKA2
hjRodHRwOi8vU1ZSU2VjdXJlLWUzLWVybC52ZXJpc2lnbi5jb20vU1ZSU2VjdXJl
RzMuY3JsmEMGA1UdIAQ8MDowOAYKYIZIAYb4RQEHNjAqMCGCCsGAQUFBwIBFhxo
dHRwc2ovL3d3dy52ZXJpc2lnbi5jb20vY3BzMB0GA1UdJQQWMBQGCCsGAQUFBwMB
BggrBgEFBQcDAjAFBgNVHSMEGDAWgBQNRfWU0TBgn4dIKs19AFj2L55pTB2Bggr
BgEFBQcBAQRqMGGwJAYIKwYBBQUHMAggGh0dHA6Ly9vY3NwLnZlcm1zaWduLmNv
bTBABGgrBgEFBQcwoAoY0aHR0cDovL1NWU1NlY3VyZS1HMy1haWEudmVyaXNpZ24u
Y29tL1NWU1NlY3VyZUczLmNlcjANBgkqhkiG9w0BAQUFAAOCAQEAReYq+92lCiDX
8hG4FyAEsvcl1DEhGUVy0URn8U7nYF7kN4NZdUKHFx86izPYJiC0yB6SsbMtz68t
r8OwPFUOzRvPfhzivtn/mL1TcEPjWiItOKmM6vpYayDMv8bbgIf+LL981qS2XV5L
Sk3eylzYVVVCqavw2BsvPAcklqvX7stSjQHTAoXeL9WBCfPlI5w/Fd6OP5J6XVBF
CHGaauqR5hONWge9M4xh6jDC0kLcrRcFXLbcdtS0DXHVBfBfDipoM2yRDdaVOwfZ
CrTL3cZA9HLzI3QtPkzLC7RrRP8r3bBkIYMNYGO465fe9IMV3MgTFey8G26mn+R5
iG3ddRLhhA==
-----END CERTIFICATE-----
```

```
% PEM files import succeeded.
(config)#
```

```
#sh crypto pki trustpoints
```

```
Trustpoint TP-self-signed-0:
```

```
Trustpoint CISCO_IDEVID_SUDI:
```

```
Subject Name:
cn=Cisco Manufacturing CA
o=Cisco Systems
Serial Number (hex): 6A6967B3000000000003
Certificate configured.
```

```
Trustpoint CISCO_IDEVID_SUDI0:
```

```
Subject Name:
cn=Cisco Root CA 2048
o=Cisco Systems
Serial Number (hex): 5FF87B282B54DC8D42A315B568C9ADFF
Certificate configured.
```

```
Trustpoint HTTPS_SS_CERT_KEYPAIR:
```

```
Subject Name:
serialNumber=FOC1618V3T0+hostname=
cn=
Serial Number (hex): 01
```

```
Trustpoint verisign.com:
```

```
Subject Name:
cn=ciscouser
ou=ciscotech
o=ciscoj
l=Bangalore
c=IN
Serial Number (hex): 411B571C6F18E77E1D63A1244BA80788
Certificate configured.
```

```
Trustpoint VeriG3: Subject Name: cn=VeriSign Class 3 Secure Server CA - G3
```

```
ou=Terms of use at https://www.verisign.com/rpa (c)10
ou=VeriSign Trust Network
o=VeriSign\
Inc.
c=US
Serial Number (hex): 6ECC7AA5A7032009B8CEBCF4E952D491
Certificate configured.
```