

# Contenu

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## Introduction

Ce document décrit comment installer un certificat sur une gamme Cisco Catalyst 3850 commutent ou un contrôleur LAN Sans fil de Cisco 5760 (WLC), de sorte que le certificat puisse être utilisé plus tard pour l'authentification. C'est un document générique ce des foyers sur l'installation de certificat sur un commutateur du contrôleur sans-fil de nouvelle génération (NGWC).

## Installation

Quand vous obtenez un certificat utilisateur d'un constructeur, vous recevez habituellement trois entités dans le format du Privacy Enhanced Mail (PEM) :

1. Certificat utilisateur
2. Clé de Rivest-Shamir-Adleman (RSA)
3. Certificat racine

Ce processus d'installation pour la gamme Cisco Catalyst 3850 commutent et Cisco 5760 WLC diffère de l'installation pour un Cisco 5508 WLC.

### Notes :

Utilisez l'[Outil de recherche de commande](#) (clients [enregistrés](#) seulement) pour obtenir plus d'informations sur les commandes utilisées dans cette section.

[L'Output Interpreter Tool](#) (clients [enregistrés](#) seulement) prend en charge certaines **commandes show**. Utilisez l'Output Interpreter Tool afin de visualiser une analyse de sortie de commande show.

## Commandes

Ce sont les commandes utilisées dans l'exemple d'installation :

1. **configure terminal**
2. **nom de crypto pki trustpoint**

3. PEM de terminal d'inscription
4. *nom de* crypto pki authenticate
5. show crypto pki certificates

## Procédure

Cette procédure décrit comment installer un tiers certificat.

1. Installez le point de confiance avec ces commandes :

```
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. Authentifiez le point de confiance :

Sélectionnez la commande de **crypto pki authenticate** :

```
(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 Copiez et collez le certificat utilisateur ; soyez sûr d'inclure -----COMMENCEZ LE CERTIFICAT----- et -----CERTIFICAT D'EXTRÉMITÉ----- lignes.

La presse **entrent**, et tapent **quitté**.

```
(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 Tapez **yes**.

Sélectionnez la commande **SH de crypto pki trustpoint** afin de voir le certificat.

3. Importez le certificat racine.

Sélectionnez la commande de **crypto pki import** :

```
(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 Copiez et collez le certificat racine.

La presse **entrent**, et tapent **quitté**.

```
(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 Copiez et collez la clé RSA.

La presse **entrent**, et tapent **quitté**.

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





-----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/FL61hNmKXUgg09A82kupYuA1jWy4Pmz0gAk7fMTNBnrilk/Uq  
c2WrM34tdURukNfYv3IbvKga6QsTQu5sYZ+83Igsdsh0xOw/xJNvs6aaOnF0frNN  
wiRYOS5QGf9+A98kEw0g66ye04C9XjR39+peSgmAchI4smAF486bK2xDRz1p2Ewi  
bL+pqsy61/fYMDQwASRzJkkCi4sG4kQo5c5j3HpAwz3nVoQcj/R3AU7zcywMuVz0  
qYiU4DcCq0Za6HXQS8vJ0yct10FjoXaDZmgYtj7LbX1c+mJhTPDaPyKC56X3LOBg  
KAQ0xwIC/ucyBoR02NhlSDoXGvX76W0J6J/jdaam/vcWdO212SEq68FkRNsJr8y/  
DS7/aU4rhw3pI994essfAgke1oqSx200zRb4SXY5pFR/yVr1szwDmqOadFYogQxS  
UR7KruVaXqZBFNhesUnxs5EmIMWsbTe+qbavSJVYUYQus0FteZNWSaLkTtsQaCE2  
AkhSajND2HwzBrGvMBWobIFgk0000wcwras216uBp3mEGTjqdpmYhY7C5JXzkYUI  
Ct8ZY+DJHMF0Uips/JvmglJ7Vr+ixCKa3ZmAf7J9sbJfChRKDAvKXVzVZXkf3W12  
AAGVN1bTf8xHyFsRA/b/BXJjuJAKSgzbdDHU19GJNh/CjRIgppJyvcRfVK+dirC50  
r1EsIBP+xuplfQphVTEwHo1+NYPg7sMLFV/vR8tHilzrJAxtde/LsXQDhd2XFwuo  
VMexTY9t9EhtM4tHo0LLED0zv/niUocDqKorAd8/arJ4iSQTtjnlIUCF1TS1Lqg  
U2icCL4/9NL0Ulnuy2DxL1j7u6gNixGLTuDWgaKR90UwEqLuw2he73pUS2eAIBw6  
AP7YgKhOqMLa5M1JYHNz6uWdtqBLbNX1TopVcqKk4EWemTSZtRD94ucNsBmH7GBJ  
juUYPh8mFrvBRDOBe70vche0vzN3ouw3CcVdT6VAuVzns3LFpGxeSbBUyoAV6SD7  
7xHahcoCXAGcfff2eXmTWNwocm2sf19Hv4tPrWzfTyKdltHcg+GxPqAOGp5NsGw4D  
H/61+6tO3lZt73/Nit2j0+sdgQs+MarqWpOJfwV1bW2/4cJn39qa4jB33QUebuJu  
zXJdWwK9jfCmZJM71QVcnGT8xqsC/+mcVY72rYf5QwQDagUcpOirHc+6/ULvYMy7  
lWPjK1AoZDt1fqnI1kgY+cQkbPBrbBARZ1XhqjKBMuM2oaCU5Bh6ppRIBrBB/+I1  
Dat43W3/MB0vu9LBC+oPB8MXVeuMYU96Uky1l3hh7YX0iP7Wn9uwur+jx/Ni1St0  
dNST+pSRIPDgdph2ebRA7zNMruu9/U0+zQH+hJ8KdpGWVe3r4R6aR+FHRYT17rXZ  
Jbnlgt/yfIU4QnMTFislbnJNzJgRWKC55A7kDPshUJ/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  
MIIFCzCCBFugAwIBAgIQQRtXHG8Y534dY6EkS6gHiDANBbkqhkiG9w0BAQUFADCB  
tTELMakGA1UEBhMCVVMxZmFzAVBgnVBAoTD1Zlcm1TaWduLCBjbmuMR8wHQYDVQQL  
ExZWZXXJpU2lnbiBUcncvZDcBOZXR3b3JrMTswOQYDVQQLZzJUZXXJtcyBvZiB1c2Ug  
YXQgaHR0cHM6Ly93d3cudmVyaXNpZ24uY29tL3JwYSAoYyYkxMDEvMC0GA1UEAxMm  
VmVyaVNPZ24gQ2xhc3MgMyBTZW51cmUgU2VydMvYIENBIC0gRzRmWmHcNMTIwNzIz  
MDAwMDAwWhcNMTQwODE5MjM1OTU1WjYjCm1TaWduLCBjbmuMR8wHQYDVQQLZzJUZXXJtcyBvZiB1c2Ug  
UHJpY2UgQXNzb2NpYXRlc3Rlc3RjaGVjY50cm93ZXByaWNlLmNvbTCC  
ASIwDQYJKoZIhvcNAQEBBQADggEPADCCAQoCggEBAAJvJpXRzliY8d11vCZcChi2c  
5uIn0TnUhr8QQRw0kstrOJtTmSJpaOVTwOb0HoLgC8lH2VRAIxxvXdi49AQPpYoY5  
z8UxeH29XqKIKYR399K7/L9W9caYwWSjn4eLq1lk0GLmGMtE7T4I2bhssAgfV2+k  
kpS4RymNudSgCwzDrm575xyzVCCiOGUPjTxbP5U7sWPASqppEvgoX88fPPpTtzTJ1  
XE1n1eRiCbE1z1/wprXlFH4XMPtL79F8FQTWZ0MvMzyLEriR+dHXxtbBUkCPvgFY  
7Nruz4Rj5Uk4S33G1EVvExfMF/wa+rtFU4RwlV4DESbrhSFhLeEruFfpzOWHmj0C  
AwEAAaOCAYswggGHMICYGA1UdEQQfMB2CG3dsZ3Vlc3RjaGVjY50cm93ZXByaWNl  
LmNvbTAAJBgNVHRMEAIAAMA4GA1UdDwEB/wQEAwIFoDBFBgNVHR8EPjA8MDggOKA2  
hjRodHRwOi8vU1ZSU2VjdXJlLWUzLWVyaXNpZ24uY29tL3JwYSAoYyYkxMDEvMC0GA1UdEQQfMB2CG3dsZ3Vlc3RjaGVjY50cm93ZXByaWNlLmNvbTAAJBgNVHRMEAIAAMA4GA1UdDwEB/wQEAwIFoDBFBgNVHR8EPjA8MDggOKA2  
RzMuY3JsmEMGA1UdIAQ8MDowOAYKYIZIAYb4RQEHNjAqMCGCCsGAQUFBwIBFhxo  
dHRwczovL3d3d3cudmVyaXNpZ24uY29tL3JwYSAoYyYkxMDEvMC0GA1UdEQQfMB2CG3dsZ3Vlc3RjaGVjY50cm93ZXByaWNlLmNvbTAAJBgNVHRMEAIAAMA4GA1UdDwEB/wQEAwIFoDBFBgNVHR8EPjA8MDggOKA2  
BggrBgEFBQcDAjAFBgNVHSMGDAWgBQNRfWU0TBgn4dIKsl9AFj2L55pTB2Bggr  
BgEFBQcBAQRqMGGwJAYIKwYBBQUHMAggGh0dHA6Ly9vY3NwLnZlcm1zaWduLmNv  
bTBAJBggrBgEFBQcAwY0aHR0cDovL1NWU1NlY3VyZS1HMy1haWEudmVyaXNpZ24u  
Y29tL1NWU1NlY3VyZUcZLmNlcjANBgkqhkiG9w0BAQUFAAOCAQEAREYq+92lCiDX  
8hG4FyAesvc1lDEhGUVy0URn8U7nYF7kN4NZdUKHFx86izPYJiC0yB6SsbMtZ68t  
r8OwPFUozRvPfhzivtn/mL1TcEpjWiItOKmM6vpYayDMv8bbgIf+LL981qS2XV5L

```
Sk3eylzYVVVCqavw2BsvPAcklqv7stSjQHtAoXeL9WBCfPlI5w/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.
```