

Obtaining Digital Certificates through SCEP

You can use SCEP to help manage how you obtain digital certificates, or you can manually add certificates.

For information about manually obtaining certificates, see [Manually Obtaining Digital Certificates](#).

To add a signed certificate that you obtain through SCEP:

1. Request a CA certificate through SCEP.

```
user@host> request security get-ca-certificate url url ca-identifier ca_identifier
```

where:

- *url* is the URL of the certificate authority (which is the SCEP server).
- *ca-identifier* is the identifier that designates the authority.

For example, to request a certificate from the CA authority SdxCA at a specified URL on the server *security_server*:

```
user@host> request security get-ca-certificate url
http://security_server:8080/ejbca/publicweb/apply/scep/pkiclient.exe
ca-identifier SdxCA

Version: 3
Serial Number: 5721058705923989279
Signature Algorithm: SHA1withRSA
Issuer: CN=SdxCA
Valid From: Wed Sep 06 17:00:55 EDT 2006
Valid Until: Sat Sep 03 17:10:55 EDT 2016
Subject: CN=SdxCA
Public key: RSA
Thumbprint Algorithm: SHA1
Thumbprint: 3c 57 a9 77 af 83 3 e9 c7 1e ee e2 4a e8 ff f3 89 f4 11 a9
Do you want to add the above certificate as a trusted CA [yes,no] ? (no)
y
```

2. Request that the certificate authority automatically sign the certificate request.

```
user@host> request security enroll subject subject password password
```

where:

- *subject* is the distinguished name of the SRC host; for example *cn=myhost*.
- *password* is the password received from the certificate authority for the specified subject.

For example, to request a certificate from the CA authority SdxCA at a specified URL on the server *security_server*:

```
user@host> request security enroll url  
http://security_server:8080/ejbca/publicweb/apply/scep/pkiclient.exe  
identifier web ca-identifier SdxCA subject cn=myhost password mypassword
```

```
Received certificate:  
Version: 3  
Serial Number: 6822890691617224432  
Signature Algorithm: SHA1withRSA  
Issuer: CN=SdxCA  
Valid From: Tue Sep 19 16:33:11 EDT 2006  
Valid Until: Thu Sep 18 16:43:11 EDT 2008  
Subject: CN=myhost  
Public key: RSA  
Do you want to install the above certificate [yes,no] ? (no) y
```

3. Verify that the certificate is part of the SRC configuration.

```
user@host> show security certificate  
web subject:CN=myhost
```

If there are no certificates on the system, the CLI displays the following message:

```
No entity certificates in key store
```

- Related Topics**
- Before You Use Digital Certificates
 - Manually Obtaining Digital Certificates
 - Removing a Certificate Request
 - Overview of Digital Certificates
 - Commands to Manage Digital Certificates