



Certificate Commands

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connectorctl cert createcsr

To create a connector Certificate Signing Request using the parameters you provide, use the **connectorctl cert createcsr** command.

```
connectorctl cert createcsr -s san -c country -t state -l locality -o organization -u organizationalunit -n commonname -e email
```

Syntax Description	Keywords and Variables	Description
	-s <i>san</i>	Storage Area Network (SAN) name.
	-c <i>country</i>	Country name.
	-t <i>state</i>	State name.
	-l <i>locality</i>	Locality name.
	-o <i>organization</i>	Organization name.
	-u <i>organizationalunit</i>	Organizational unit name.
	-n <i>commonname</i>	Common name.
	-e <i>email</i>	Email ID.
Command History	Release 3	This command is introduced.

connectorctl cert generate

To regenerate a new connector self-signed certificate, use the **connectorctl cert generate** command. To view this certificate, use the **connectorctl cert show** command.

connectorctl cert generate

Syntax Description

This command has no keywords or arguments.

Command History

Release 3

This command is introduced.

connectorctl cert import

To import a signed certificate from the specified path to the accurate location on the connector and ensure the security of the connection with the connector, use the **connectorctl cert import** command.

connectorctl cert import -p *certificate-path*

Syntax Description	Keywords and Variables	Description
	-p <i>certificate-path</i>	Path from which the certificate is to imported.
Command History	Release 3	This command is introduced.

Examples

The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert import -p
```

connectorctl cert show

To display the deployed certificate details, use the **connectorctl cert show** command.

connectorctl cert show

Syntax Description

This command has no keywords or arguments.

Command History

Release 3

This command is introduced.

Examples

The following is a sample output of the command:

```
[spacesadmin @ connector ~ ]$ connectorctl cert show
Executing command:cert
Command execution status:Success
-----
```

```
=====
Certificate not found.
=====
=====
```

connectorctl cert validate

To validate certificates, use the **connectorctl cert validate** command.

After validating the certificate, you can upload the certificates to the connector using the **connectorctl cert updateca-bundle** command.

connectorctl cert validate -c *ca_certificate* -s *path_server_certificate*

Syntax Description	Keywords and Descriptions	Description
	-h	Displays help related to this command.
	-c <i>ca_certificate</i>	Signed and validated CA certificate.
	-s <i>path_server_certificate</i>	Signed and validated server certificate.
Command History	Release 3	This command is introduced.

Usage Guidelines

First, copy the certificates to connector.

```
scp proxy-ca-bundle.pem spacesadmin@[connector-ip]:/home/spacesadmin/
scp proxy-server-cert.pem spacesadmin@[connector-ip]:/home/spacesadmin/
```

Examples

Validate the copied certificate. The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert validate -c /home/spacesadmin/proxy-ca-bundle.pem
-s /home/spacesadmin/proxy-server-cert.pemExecuting command:certCommand execution
status:Success-----/home/spacesadmin/proxy-ca-bundle.pem and
/home/spacesadmin/proxy-server-cert.pem exists/home/spacesadmin/proxy-server-cert.pem:
OKValidation of certificate is successful
```

connectorctl cert updateca-bundle

To import a Certification Authority (CA) chain to the the connector's CA trust bundle, use the **connectorctl cert updateca-bundle** command.

```
connectorctl cert updateca-bundle -c ca_certificate_chain -s server_certificate
```

Syntax Description	Keywords and Variables	Description
	-c <i>ca_certificate</i>	Signed and validated CA certificate.
	-s <i>server_certificate</i>	Signed and validated server certificate.
Command History	Release 3	This command is introduced.

Usage Guidelines

First, copy the certificates to connector.

```
scp proxy-ca-bundle.pem spacesadmin@[connector-ip]:/home/spacesadmin/
scp proxy-server-cert.pem spacesadmin@[connector-ip]:/home/spacesadmin/
```

Examples

Import the copied certificates. The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert updateca-bundle -c
/home/spacesadmin/proxy-ca-bundle.pem -s /home/spacesadmin/proxy-server-cert.pem
Executing command:cert
Command execution status:Success
-----
/home/spacesadmin/proxy-ca-bundle.pem and /home/spacesadmin/proxy-server-cert.pem exist
/home/spacesadmin/proxy-server-cert.pem: OK
CA trust bundle updated successfully
System reboot will happen in 10 seconds. Do not execute any other command...
```

connectorctl cert proxycert-validate

To validate proxy certification authority (CA) bundle, use the **connectorctl cert proxycert-validate** command.

To validate certificates before uploading them to connector, use the **connectorctl cert proxycert-updateca-bundle** command.

connectorctl cert proxycert-validate -c proxy-ca-cert-chain -s proxy_server_certificate

Syntax Description	Keywords and Descriptions	Description
	-h	Displays help related to this command.
	-c proxy-ca-certificate-chain	Signed and validated proxy CA certificate.
	-s proxy-server-certificate	Signed and validated proxy server certificate.
Command History	Release 3	This command is introduced.

Usage Guidelines

First, copy the certificates to connector.

```
scp proxy-ca-bundle.pem spacesadmin@[connector-ip]:/home/spacesadmin/
scp proxy-server-cert.pem spacesadmin@[connector-ip]:/home/spacesadmin/
```

Examples

Validate the copied certificate. The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert validate -c /home/spacesadmin/proxy-ca-bundle.pem
-s /home/spacesadmin/proxy-server-cert.pem
Executing command:certCommand execution status:Success
-----
/home/spacesadmin/proxy-ca-bundle.pem and /home/spacesadmin/proxy-server-cert.pem
exists/home/spacesadmin/proxy-server-cert.pem: OK
Validation of certificate is successful
```


connectorctl cert proxycert-updateca-bundle

This command imports a proxy Certification Authority (CA) chain to the the connector's CA trust bundle.

connectorctl cert proxycert-updateca-bundle -c proxy-ca-certificate-chain -s proxy-server-certificate

Syntax Description

Keywords and Variables	Description
-c <i>proxy-ca-certificate-chain</i>	Provides the signed and validated proxy CA certificate.
-s <i>proxy-server-certificate</i>	Provides the signed and validated proxy server certificate.

Command History

Release 3	This command is introduced.
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Usage Guidelines

First, copy the certificates to connector.

```
scp proxy-ca-bundle.pem spacesadmin@[connector-ip]:/home/spacesadmin/
scp proxy-server-cert.pem spacesadmin@[connector-ip]:/home/spacesadmin/
```

Examples

Import the copied certificates. The following is a sample output of the command:

```
[spacesadmin@connector ~]$ connectorctl cert updateca-bundle -c
/home/spacesadmin/proxy-ca-bundle.pem -s /home/spacesadmin/proxy-server-cert.pem
Executing command:cert
Command execution status:Success
-----
/home/spacesadmin/proxy-ca-bundle.pem and /home/spacesadmin/proxy-server-cert.pem exist
/home/spacesadmin/proxy-server-cert.pem: OK
CA trust bundle updated successfully
System reboot will happen in 10 seconds. Do not execute any other command...
```

