

Chaingroup Configuration Mode Commands

Chaingroup configuration mode commands allow you to add Secure Sockets Layer (SSL) certificate files to a chain group.

To create a new chain group (or modify an existing chain group) and access chaingroup configuration mode, use the **crypto chaingroup** command. The CLI prompt changes to (config-chaingroup). Use the **no** form of the command to delete an existing chain group.

```
crypto chaingroup group_name
```

```
no crypto chaingroup group_name
```

Syntax Description

<i>group_name</i>	Name that you assign to the chain group. Enter the chain group name as an alphanumeric string from 1 to 64 characters.
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Command Modes

Configuration mode
Admin and user contexts

Command History

Release	Modification
A1(7)	This command was introduced.

Usage Guidelines

This command requires the SSL feature in your user role. For details about role-based access control (RBAC) and user roles, see the *Cisco 4700 Series Application Control Engine Appliance Virtualization Configuration Guide*.

A chain group specifies the certificate chains that the ACE sends to its peer during the handshake process. A certificate chain is a hierarchical list of certificates that includes the subject's certificate, the root CA certificate, and any intermediate CA certificates. You include a chain group in the handshake process by configuring the SSL proxy-service with the chain group (see the [\(config\) ssl-proxy service](#) command).

The ACE supports the following certificate chain group capabilities:

- A chain group can contain up to nine certificate chains.
- Each context on the ACE can contain up to eight chain groups.
- The file size of an individual certificate or chain group must not exceed 8192 bytes.

Examples

To create the chain group MYCHAINGROUP, enter:

```
host1/Admin(config)# crypto chaingroup MYCHAINGROUP
```

Related Commands

[\(config\) ssl-proxy service](#)

(config-chaingroup) cert

To add certificate files to a chain group, use the **cert** command. Use the **no** form of the command to remove a certificate file from a chain group.

cert *cert_filename*

no cert *cert_filename*

Syntax Description

cert_filename Name of an existing certificate file stored on the ACE. Enter an unquoted text string with no spaces and a maximum of 40 alphanumeric characters. To display a list of available certificate files, use the **do show crypto files** command.

Command Modes

Chaingroup configuration mode
Admin and user contexts

Command History

Release	Modification
A1(7)	This command was introduced.

Usage Guidelines

It is not necessary to add the certificates in any type of hierarchical order because the device verifying the certificates determines the correct order.

The ACE supports the following certificate chain group capabilities:

- A chain group can contain up to nine certificate chains.
- Each context on the ACE can contain up to eight chain groups.
- The file size of an individual certificate or chain group must not exceed 8192 bytes.

Examples

To add the certificate files MYCERTS.PEM, MYCERTS_2.PEM, and MYCERTS_3.PEM to the chain group, enter:

```
host1/Admin(config-chaingroup) # cert MYCERTS.PEM
host1/Admin(config-chaingroup) # cert MYCERTS_2.PEM
host1/Admin(config-chaingroup) # cert MYCERTS_3.PEM
```

To remove the certificate file MYCERTS_2.PEM from the chain group, enter:

```
host1/Admin(config-chaingroup) # no cert MYCERTS_2.PEM
```

Related Commands

[\(config\) crypto chaingroup](#)