



## K Commands

---

This chapter describes the Cisco NX-OS security commands that begin with K.

### key

To create a key or to enter the configuration mode for an existing key, use the **key** command. To remove the key, use the **no key** form of this command.

**key** *key-ID*

**no key** *key-ID*

---

<b>Syntax Description</b>	<i>key-ID</i>	ID of the key to configure. This ID must be a whole number between 0 and 65535.
---------------------------	---------------	---

---

---

<b>Defaults</b>	None
-----------------	------

---

---

<b>Command Modes</b>	Keychain configuration
----------------------	------------------------

---

---

<b>SupportedUserRoles</b>	network-admin vdc-admin
---------------------------	----------------------------

---

---

<b>Command History</b>	<b>Release</b>	<b>Modification</b>
	4.0(1)	This command was introduced.

---

---

<b>Usage Guidelines</b>	A new key contains no key strings. This command does not require a license.
-------------------------	--

---

## *Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)*

### Examples

This example shows how to enter key configuration mode for key 13 in the glbp-keys keychain:

```
switch# configure terminal
switch(config)# key chain glbp-keys
switch(config-keychain)# key 13
switch(config-keychain-key)#
```

### Related Commands

Command	Description
<b>accept-lifetime</b>	Configures an accept lifetime for a key.
<b>key chain</b>	Create a keychain and enter keychain configuration mode.
<b>key-string</b>	Configures the shared secret (text) for a specific key.
<b>send-lifetime</b>	Configures a send lifetime for a key.
<b>show key chain</b>	Shows keychain configuration.

**Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)**

## key-string

To configure the text for a key, use the **key-string** command. To remove the text, use the **no** form of this command.

**key-string** [*encryption-type*] *text-string*

**no key-string** *text-string*

Syntax Description	<i>encryption-type</i>	(Optional) Specifies the type of encryption to use. The <i>encryption-type</i> argument can be one of the following values:
		<ul style="list-style-type: none"> <li>0—The text-string argument that you enter is unencrypted text. This is the default.</li> <li>7—The text-string argument that you enter is encrypted. The encryption method is a Cisco proprietary method. This option is useful when you are entering a text string based on the encrypted output of a <b>show key chain</b> command that you ran on another NX-OS device.</li> </ul>
	<i>text-string</i>	Text of the key string, up to 63 case-sensitive, alphanumeric characters.

Defaults	None
----------	------

Command Modes	Key configuration
---------------	-------------------

Supported User Roles	network-admin vdc-admin
----------------------	----------------------------

Command History	Release	Modification
	4.0(1)	This command was introduced.

Usage Guidelines	<p>The key-string text is a shared secret. The device stores key strings in a secure format.</p> <p>You can obtain encrypted key strings by using the <b>show key chain</b> command on another NX-OS device.</p> <p>This command does not require a license.</p>
------------------	--

Examples	<p>This example shows how to enter an encrypted shared secret for key 13:</p> <pre>switch# <b>configure terminal</b> switch(config)# <b>key chain glbp-keys</b> switch(config-keychain)# <b>key 13</b> switch(config-keychain-key)# <b>key-string 7 071a33595c1d0c1702170203163e3e21213c20361a021f11</b> switch(config-keychain-key)#</pre>
----------	---

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

Related Commands	Command	Description
	<b>accept-lifetime</b>	Configures an accept lifetime for a key.
	<b>key</b>	Configures a key.
	<b>key chain</b>	Configures a keychain.
	<b>send-lifetime</b>	Configures a send lifetime for a key.
	<b>show key chain</b>	Shows keychain configuration.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

# key chain

To create a keychain or to configure an existing keychain, use the **key chain** command. To remove the keychain, use the **no** form of this command.

**key chain** *keychain-name*

**no key chain** *keychain-name*

Syntax Description	<i>keychain-name</i>	Name of the keychain, up to 63 alphanumeric, case-sensitive characters in length.
--------------------	----------------------	---

Defaults	None
----------	------

Command Modes	Global configuration
---------------	----------------------

SupportedUserRoles	network-admin vdc-admin
--------------------	----------------------------

Command History	Release	Modification
	4.0(1)	This command was introduced.

Usage Guidelines	<p>This command creates the keychain if it does not already exist. A new keychain contains no keys. Removing a keychain also removes any keys that the keychain contains.</p> <p>Before you remove a keychain, ensure that no feature uses it. If a feature is configured to use a keychain that you remove, that feature is likely to fail to communicate with other devices.</p> <p>This command does not require a license.</p>
------------------	--

Examples	This example shows how to configure a keychain named glbp-keys:
----------	---

```
switch# configure terminal
switch(config)# key chain glbp-keys
switch(config-keychain)#
```

Related Commands	Command	Description
	<b>accept-lifetime</b>	Configures an accept lifetime for a key.
	<b>key</b>	Configures a key.
	<b>key-string</b>	Configures a key string.

***Send document comments to [nexus7k-docfeedback@cisco.com](mailto:nexus7k-docfeedback@cisco.com)***

<b>Command</b>	<b>Description</b>
<b>send-lifetime</b>	Configures a send lifetime for a key.
<b>show key chain</b>	Configures a send lifetime for a key.