

CLI Add-On Profile

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Information About the CLI Add-On Profile

Using a CLI add-on profile, you can specify CLI commands to execute on devices. You can execute device configurations that are not available through other configuration group features.

Commands in a CLI add-on profile operate together with the configurations provided through configuration group features. However, commands in the CLI add-on profile override configurations specified by corresponding configuration group features. One use case for the CLI add-on profile is to add commands to temporarily override a setting configured in a configuration group feature without changing the feature.

Format

When you add commands to a CLI add-on profile, enter them as they appear in the output of the **show sdwan running-config** command.

CLI Add-On Profile Restrictions

- Ensure that you only use configuration commands as they appear in the output of the **show sdwan running-config** command.
- Use only supported commands in the CLI add-on profile, which are the qualified commands documented in the *Cisco IOS XE Catalyst SD-WAN Qualified Command Reference*. Using unsupported commands in the CLI add-on profile can cause errors when deploying a configuration group to devices.

Note In Cisco SD-WAN CLI add-on profile, using the `!` delimiter to exit a sub-mode may result in parsing errors or failure in deploying configuration. Use `exit` command to exit a configuration sub-mode when working with Cisco SD-WAN CLI add-on profile. Avoid using `!` as a substitute for exiting sub-modes.

Create a CLI Add-On Profile

Before You Begin

Ensure that there is at least one configuration group in the **Configuration Groups** list.

This procedure adds a CLI add-on profile to a configuration group that does not have one. For information about editing an existing CLI add-on profile, see Edit a CLI Add-On Profile, on page 3.

Create a CLI Add-On Profile

1. From the Cisco SD-WAN Manager menu, choose **Configuration** > **Configuration Groups**.
2. Adjacent to a configuration group, click **…** and choose **Edit**.
3. In the **Feature Profiles - Unconfigured** area, locate **CLI Profile**.



Note If the configuration group already has a CLI profile configured, this option will not appear.

4. On the **CLI Profile** card, click **Start Configuration**.

   An **Edit Config Feature** pane opens.
5. Enter a name and, optionally, a description for a new CLI add-on profile.
6. Enter configuration commands in the **CLI Configuration** area or click **Import Config File** to import a configuration.
7. To convert a configuration value to a variable, select the value and click **Create Variable**.

   Enter the variable name, and click **Create Variable**. You can also type a variable name directly, in the format {{variable-name}}. Example: {{hostname}}

   Variables enable you to enter values for the variables individually for each device when you deploy a configuration group to devices. During the deployment, you can enter values manually or using a CSV file.



Note Do not use semicolons in a variable name or in variable values.

8. To encrypt a plain-text password using type 6 encryption, select the password and click **Encrypt Type 6**.

   In the example below, you can select the password, ABCD, and click **Encrypt Type 6** to encrypt the password.

   ```
   server-private 10.0.0.1 key 0 ABCD
   ```

   For more information about type 6 encryption, see Type 6 Passwords on Cisco IOS XE SD-WAN Routers in the *Cisco Catalyst SD-WAN Systems and Interfaces Configuration Guide, Cisco IOS XE Catalyst SD-WAN Release 17.x*.

Note Encrypt only passwords. Encrypting a CLI command may cause a failure when deploying the configuration group to devices.

9. Click **Save**.

Edit a CLI Add-On Profile

Before You Begin

Ensure that there is a configuration group with a CLI add-on profile configured, in the **Configuration Groups** list. For information about creating a CLI add-on profile, see Create a CLI Add-On Profile, on page 2.

Edit a CLI Add-On Profile

1. From the Cisco SD-WAN Manager menu, choose **Configuration** > **Configuration Groups**.
2. In the CLI add-on profile, adjacent to the config feature, click **…** and choose **Edit Feature**.
3. Edit the configuration commands in the **CLI Configuration** area or click **Import Config File** to import a configuration.
4. To convert a configuration value to a variable, select the value and click **Create Variable**.

   Enter the variable name, and click **Create Variable**. You can also type a variable name directly, in the format {{variable-name}}. Example: {{hostname}}

   Variables enable you to enter values for the variables individually for each device when you deploy a configuration group to devices. During the deployment, you can enter values manually or using a CSV file.

Note Do not use semicolons in a variable name or in variable values.

5. To encrypt a plain-text password using type 6 encryption, select the password and click **Encrypt Type 6**.

   In the example below, you can select the password, ABCD, and click **Encrypt Type 6** to encrypt the password.

   ```
   server-private 10.0.0.1 key 0 ABCD
   ```

   For more information about type 6 encryption, see Type 6 Passwords on Cisco IOS XE SD-WAN Routers in the *Cisco Catalyst SD-WAN Systems and Interfaces Configuration Guide, Cisco IOS XE Catalyst SD-WAN Release 17.x*.

Note Encrypt only passwords. Encrypting a CLI command may cause a failure when deploying the configuration group to devices.

6. Click **Save**.