



Factory Reset

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Information About Factory Reset

Factory reset removes all the customer-specific data that has been added to a device since the time of its shipping. The erased data includes configurations, log files, boot variables, core files, and credentials such as Federal Information Processing Standard-related (FIPS-related) keys.

The device returns to its default license configuration after a factory reset.



Note Factory reset is performed using the use **factory-reset all secure 3-pass** IOS CLI. A copy of the running image is backed up and restored after the reset.

Prerequisites for Performing Factory Reset

- Ensure that all the software images, configurations, and personal data are backed up.
- Ensure that there is uninterrupted power supply when the factory reset is in progress.
- Ensure that you take a backup of the current image.

Performing Factory Reset

Procedure

| | Command or Action | Purpose |
|--------|-------------------|-------------------------------|
| Step 1 | enable | Enables privileged EXEC mode. |

| | Command or Action | Purpose |
|---------------|--|---|
| | Example: Device> enable | Enter your password, if prompted. |
| Step 2 | factory-reset all secure 3-pass Example: Device# factory-reset all secure 3-pass | Removes sensitive data from all the partitions that are currently being cleaned up by the factory-reset all command. The following are the three passes to erase data in disk partitions: <ul style="list-style-type: none"> • Write 0s • Write 1s • Write a random byte Note The factory reset takes 3 to 6 hours to be completed. |

Performing Secure Erase

Procedure

| | Command or Action | Purpose |
|---------------|--|--|
| Step 1 | enable Example: Device> enable | Enables privileged EXEC mode. Enter your password, if prompted. |
| Step 2 | factory-reset all secure Example: Device# factory-reset all secure | Erases all user data and metadata from bootflash and harddisk. The erase is compliant with the National Institute of Standards and Technology (NIST) standards. Note The erase takes around 5 to 10 minutes. You need to boot a new image from TFTP post the secure erase as the image gets deleted. |