



# 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.



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**Note** The factory reset is performed through an IOS CLI. A copy of the running image is backed up and restored after the reset.

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## 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

### SUMMARY STEPS

1. `enable`
2. `factory-reset all secure 3-pass`

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>enable</b> <b>Example:</b> Device> enable	Enables privileged EXEC mode. Enter your password, if prompted.
<b>Step 2</b>	<b>factory-reset all secure 3-pass</b> <b>Example:</b> Device# factory-reset all secure 3-pass	Removes sensitive data from all the partitions that are currently being cleaned up by the <b>factory-reset all</b> command. From Cisco IOS-XE 17.10 onwards, the following are the three passes to erase data in disk partitions: <ul style="list-style-type: none"> <li>• Write 0s</li> <li>• Write 1s</li> <li>• Write a random byte</li> </ul> <b>Note</b> The factory reset takes 3 to 6 hours to be completed.

## Performing Secure Erase

## SUMMARY STEPS

1. enable
2. factory-reset all secure

## DETAILED STEPS

	Command or Action	Purpose
<b>Step 1</b>	<b>enable</b> <b>Example:</b> Device> enable	Enables privileged EXEC mode. Enter your password, if prompted.
<b>Step 2</b>	<b>factory-reset all secure</b> <b>Example:</b> Device# factory-reset all secure	Erases all user data and metadata from bootflash. The erase is compliant with the National Institute of Standards and Technology (NIST) standards. <b>Note</b> 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.