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 The factory reset is performed through an 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

SUMMARY STEPS

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

DETAILED STEPS

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 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. From Cisco IOS-XE 17.10 onwards, the following are the three passes to erase data in disk partitions: • Write 0s • Write 1s • Write a random byte **Note** 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

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. The erase is compliant with the National Institute of Standards and Technology (NIST) standards. **Note**

	Command or Action	Purpose
		The erase takes around 5 to10 minutes. You need to boot a new image from TFTP post the secure erase as the image gets deleted.