



## Configuring Secure Storage

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## Information About Secure Storage

Secure Storage feature allows you to secure critical configuration information by encrypting it. It encrypts asymmetric key-pairs, pre-shared secrets, the type 6 password encryption key and certain credentials. An instance-unique encryption key is stored in the hardware trust anchor to prevent it from being compromised.

## Enabling Secure Storage

### Procedure

	Command or Action	Purpose
Step 1	<b>configure terminal</b> <b>Example:</b> Device# <code>configure terminal</code>	Enters the global configuration mode.
Step 2	<b>service private-config-encryption</b> <b>Example:</b> Device(config)# <code>service private-config-encryption</code>	Enables the Secure Storage feature on your device.
Step 3	<b>end</b> <b>Example:</b> Device(config)# <code>end</code>	Returns to privileged EXEC mode.
Step 4	<b>write memory</b> <b>Example:</b>	Encrypts the private-config file and saves the file in an encrypted format.

	Command or Action	Purpose
	Device# <code>write memory</code>	

## Disabling Secure Storage

### Before you begin

To disable Secure Storage feature on a device, perform this task:

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	<code>configure terminal</code> <b>Example:</b> Device# <code>configure terminal</code>	Enters the global configuration mode.
<b>Step 2</b>	<code>no service private-config-encryption</code> <b>Example:</b> Device(config)# <code>no service private-config-encryption</code>	Disables the Secure Storage feature on your device. When secure storage is disabled, all the user data is stored in plain text in the NVRAM.
<b>Step 3</b>	<code>end</code> <b>Example:</b> Device(config)# <code>end</code>	Returns to privileged EXEC mode.
<b>Step 4</b>	<code>write memory</code> <b>Example:</b> Device# <code>write memory</code>	Decrypts the private-config file and saves the file in plane format.

## Verifying the Status of Encryption

Use the `show parser encrypt file status` command to verify the status of encryption. The following command output indicates that the feature is available but the file is not encrypted. The file is in 'plain text' format.

```
Device#show parser encrypt file status
Feature: Enabled
File Format: Plain Text
Encryption Version: Ver1
```