



Monitor Upgrade Progress and Verify Installation

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Monitor the Upgrade Progress

You can monitor the upgrade process using the FXOS CLI:

Procedure

- Step 1** Connect to the FXOS CLI.
- Step 2** Enter `scope system`.
- Step 3** Enter `show firmware monitor`.
- Step 4** Wait for all components (FPRM, Fabric Interconnect, and Chassis) to show `Upgrade-Status: Ready`.

Note After the FPRM component is upgraded, the system will reboot and then continue upgrading the other components.

Example

```
Firepower-chassis# scope system
Firepower-chassis /system # show firmware monitor
FPRM:
  Package-Vers: 2.3(1.58)
  Upgrade-Status: Ready

Fabric Interconnect A:
  Package-Vers: 2.3(1.58)
  Upgrade-Status: Ready

Chassis 1:
  Server 1:
    Package-Vers: 2.3(1.58)
    Upgrade-Status: Ready
  Server 2:
    Package-Vers: 2.3(1.58)
```

```
Upgrade-Status: Ready
```

Verify the Installation

Enter the following commands to verify the status of the security modules/security engine and any installed applications:

Procedure

-
- Step 1** Connect to the FXOS CLI.
 - Step 2** Enter **top**.
 - Step 3** Enter **scope ssa**.
 - Step 4** Enter **show slot**.
 - Step 5** Verify that the Admin State is `Ok` and the Oper State is `Online` for the security engine on a Firepower 4100 series appliance or for any security modules installed on a Firepower 9300 appliance.

Example:

- Step 6** Enter **show app-instance**.
- Step 7** Verify that the Oper State is `Online` for any logical devices installed on the chassis and that the correct version is listed.

If this chassis is part of a cluster, verify that the cluster operational state is “In-Cluster” for all security modules installed in the chassis. Also, verify that the control unit is not on the chassis for which you are upgrading—there should not be any instance with Cluster Role set to “Master”.

Example

```
Firepower-chassis# scope ssa
Firepower-chassis /ssa # show slot
```

```
Slot:
```

Slot ID	Log Level	Admin State	Oper State
1	Info	Ok	Online
2	Info	Ok	Online
3	Info	Ok	Not Available

```
Firepower-chassis /ssa #
```

```
Firepower-chassis /ssa # show app-instance
```

App Name	Identifier	Slot ID	Admin State	Oper State	Running Version	Startup Version
asa	asa1	1	Enabled	Online	9.10.0.85	9.10.0.85
	Not Applicable	None				
asa	asa2	2	Enabled	Online	9.10.0.85	9.10.0.85
	Not Applicable	None				

```
Firepower-chassis /ssa #
```