

Verify Chassis Installation

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Verify Device Installation

After installing the Cisco NCS 5700 Router, you can use the **show** commands to verify the installation and configuration. If any issue is detected, take corrective action before making further configurations.

Command	Description
show inventory	Displays information about the field replaceable units (FRUs), including product IDs, serial numbers, and version IDs. **Note** The FAN-1RU-PI-V2 and FAN-1RU-PE-V2 are also used on the Cisco 8000 series and will display as "Cisco 8000 Series 1RU Fan" in the output description.
show platform	Displays the operational status of the node
show version	Displays the version of the router.
admin show environment	Displays all environment-related router information.

show environment temperature	Displays temperature readings for card temperature sensors. Each system controller, route processor, line card, and fabric card has temperature sensors with two thresholds:
	• Minor temperature threshold: when a minor threshold is exceeded, a minor alarm occurs and the following actions occur for all four sensors:
	  • System messages displayed
	  • SNMP notifications (if configured) sent

Command	Description
	• Log environmental alarm event triggered (can be reviewed by running the show alarm command). • Major temperature threshold: when a major threshold is exceeded, a major alarm occurs and the following actions occur: • For sensors 1, 3, and 4 (outlet and onboard sensors), the following actions occur: • System messages displayed • SNMP notifications (if configured) sent • Log environmental alarm event triggered (can be reviewed by running the show alarm command). • For sensor 2 (intake sensor), the following actions occur: • If the threshold is exceeded in a switching card, only that card is shut down. • If the threshold is exceeded in an active route processor card with HA-standby or standby present, only that route processor card is shut down and the standby route processor card takes over. • If you do not have a standby route processor card in your router, you have up to 2 minutes to decrease the temperature. During this interval, the software monitors the temperature every 5 seconds and continuously sends system messages as configured. **Note** We recommend that you install dual route processor cards. If you are using a router without dual route processor cards, we recommend that you immediately replace the fan card even if just one fan is not working.
hw-module location <loc> shutdown or **[no] hw-module shutdown location <loc>**	Powers up or shuts down a card.

Command	Description
show environment power	Displays the power usage information for the entire router.
show environment voltage	Displays the voltage for the entire router.
show environment current	Displays the current environment status.
show environment fan	Displays the status of the fan trays.