



# 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
<b>show inventory</b>	<p>Displays information about the field replaceable units (FRUs), including product IDs, serial numbers, and version IDs.</p> <p><b>Note</b> 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.</p>
<b>show platform</b>	Displays the operational status of the node
<b>show version</b>	Displays the version of the router.
<b>admin show environment</b>	Displays all environment-related router information.
<b>show environment temperature</b>	<p>Displays temperature readings for card temperature sensors. Each system controller, route processor, line card, and fabric card has temperature sensors with two thresholds:</p> <ul style="list-style-type: none"> <li>• Minor temperature threshold: when a minor threshold is exceeded, a minor alarm occurs and the following actions occur for all four sensors: <ul style="list-style-type: none"> <li>• System messages displayed</li> <li>• SNMP notifications (if configured) sent</li> </ul> </li> </ul>

Command	Description
	<ul style="list-style-type: none"> <li>• Log environmental alarm event triggered (can be reviewed by running the show alarm command).</li> <li>• Major temperature threshold: when a major threshold is exceeded, a major alarm occurs and the following actions occur:               <ul style="list-style-type: none"> <li>• For sensors 1, 3, and 4 (outlet and onboard sensors), the following actions occur:                   <ul style="list-style-type: none"> <li>• System messages displayed</li> <li>• SNMP notifications (if configured) sent</li> <li>• Log environmental alarm event triggered (can be reviewed by running the show alarm command).</li> </ul> </li> <li>• For sensor 2 (intake sensor), the following actions occur:                   <ul style="list-style-type: none"> <li>• If the threshold is exceeded in a switching card, only that card is shut down.</li> <li>• 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.</li> <li>• 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.</li> </ul> </li> </ul> </li> </ul> <p><b>Note</b> 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.</p>
<b>hw-module location &lt;loc&gt; shutdown</b> or <b>[no] hw-module shutdown location &lt;loc&gt;</b>	Powers up or shuts down a card.

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

