

## FACT Commands

This section lists the FACT commands, grouped by function for those who prefer a structured organization. For a complete description of all commands in an alphabetical listing, see [Commands](#).

[Table 1](#) lists the commands that scan the managed-nodes of the network.

**Table 1: Scanning Commands**

Command Name	Function
<a href="#">scan fabric</a>	Scans the static connectivity of the subnet and collects information from and about the Subnet Managers.
<a href="#">scan fabric all</a>	Scans the static connectivity of the subnet and collects routing information, raw port counter information, monitored port counter information, and threshold-exceeded port counter information from the Subnet Manager.
<a href="#">scan tech-support</a>	Collects diagnostic information about the network.
<a href="#">select</a>	Selects the current scan.

[Table 2](#) lists the commands that manage the repository.

**Table 2: Repository Management Commands**

<a href="#">delete scans</a>	Deletes all specified scans.
<a href="#">export repository</a>	Makes a copy of the specified repository and saves a copy of the FACT repository in a file.
<a href="#">export scan</a>	Exports the current scan to a file.
<a href="#">import repository</a>	Replaces the existing repository with the one that is currently in the file.
<a href="#">import scan</a>	Imports a scan from a file to the repository.
<a href="#">select</a>	Selects the current scan.
<a href="#">show history</a>	Shows all scans in the repository.

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Table 3 lists the commands that work with any scan, even an incomplete scan.

**Table 3: Low-Level Display Commands**

<u>show subnet-managers</u>	Shows the Subnet Managers in the current scan.
<u>show versions</u>	Shows the scan versions of the specified managed-nodes.

Table 4 lists the commands that show information about any scan.

**Table 4: Subnet-Level Display Commands**

<u>show chassis</u>	Shows information about the chassis in the current scan.
<u>show chips</u>	Shows information about switch chips in the current scan.
<u>show isolated managed-nodes</u>	Shows the switches and hosts that are not part of the network.
<u>show multicast groups</u>	Shows the multicast groups in the current scan.
<u>show ports</u>	Shows the state of the ports in a given switch or an entire network.

Table 5 lists the commands that show information about a route scan.

**Table 5: Route-Level Display Commands**

<b>Command Name</b>	<b>Function</b>
<u>show destinations</u>	Shows the unicast destinations that are forwarded through each specified egress port.
<u>show egress ports</u>	Shows the egress ports that forward unicast traffic to each specified destination port.
<u>show multicast destinations</u>	Shows the multicast destinations that are forwarded through each specified egress port.
<u>show multicast egress</u>	Shows the egress ports that forward multicast traffic to each specified

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<u>ports</u>	destination port.
<u>show routes</u>	Shows the unicast routes from each port in the source set to each port in the destination set.

Table 6 lists the commands that show information about port counter displays.

**Table 6: Port Counter Display Commands**

Command Name	Function
<u>show show counters monitored</u>	Shows monitored port counters.
<u>show show counters raw</u>	Shows raw port counters.
<u>show show counters threshold</u>	Shows port counters that have exceeded their error thresholds.

Table 7 lists the command that compares two scans.

**Table 7: History Display Commands**

Command Name	Function
<u>show changes scan</u>	Compares the current scan with any specified scan in the repository.

Table 8 lists the commands that are used to administer or manage the network.

**Table 8: Fabric Maintenance Commands**

Command Name	Function
<u>disable ports</u>	Disables one or more ports on a switch.
<u>enable ports</u>	Enables one or more ports on a switch.
<u>install</u>	Installs new firmware on a switch.
<u>ports speed</u>	Sets the width and speed of a single port or multiple ports in a network.
<u>reset port-counters</u>	Resets all port counters to zero.

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Table 9 lists the commands used to analyze, display, annotate information in log files.

**Table 9: Log Analysis Commands**

<u>annotate</u>	Annotates one or more syslog files and prints them to the screen with annotations attached.
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Table 10 lists the miscellaneous commands.

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<u>exit</u>	Discontinues the current session with FACT.
<u>help</u>	Lists a summary of the complete FACT command grammar.