

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
scan fabric	Scans the static connectivity of the subnet and collects information from and about the Subnet Managers.
scan fabric all	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.
scan tech-support	Collects diagnostic information about the network.
select	Selects the current scan.

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

Table 2: Repository Management Commands

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

Command Name	Function
<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.

Table 10: Miscellaneous Commands

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