

Command Forwarding Usage with a Virtual Chassis Configuration

Some CLI commands can be run either on all members or on a specific member of a Virtual Chassis configuration. This functionality is referred to as command forwarding.

For example, to collect information about your system prior to contacting Juniper Networks Technical Assistance Center (JTAC), use the command **request support information all-members** to gather data for all the member switches. If you want to gather this data only for a particular member switch, use the command **request support information member *member-id***.

Table 1 provides a list of commands that can be run either on all members of the Virtual Chassis configuration or on a specific member switch.

Table 1: Commands That Can be Run on All or Specific Members of the Virtual Chassis Configuration

Commands Available for Command Forwarding	Purpose	all-members	member-member-id
request support information	Use this command when you contact JTAC about your component problem. This command is the equivalent of using the following CLI commands: <ul style="list-style-type: none">■ show version■ show chassis firmware■ show chassis hardware■ show chassis environment■ show interfaces extensive (for each configured interface)■ show configuration (excluding any SECRET-DATA)■ show system virtual-memory	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
request system partition hard-disk	Set up the hard disk for partitioning. After this command is issued, the hard disk is partitioned the next time the system is rebooted. When the hard disk is partitioned, the contents of /altroot and /altconfig are saved and restored. All other data on the hard disk is at risk of being lost.	Partitions the hard disk on all members of the Virtual Chassis configuration.	Partitions the hard disk on the specified member switch.

Table 1: Commands That Can be Run on All or Specific Members of the Virtual Chassis Configuration (continued)

Commands Available for Command Forwarding	Purpose	all-members	member-member-id
request system reboot	Reboot JUNOS for EX Series software after a software upgrade and occasionally to recover from an error condition.	Reboots all members of the Virtual Chassis configuration.	Reboots the specified member switch.
request system snapshot	Back up the currently running and active file system.	Backs up the file systems on all members of the Virtual Chassis configuration.	Backs up the file system on the specified member switch.
request system storage cleanup	Free storage space on the switch by rotating log files and proposing a list of files for deletion. User input is required for file deletion.	Runs cleanup on all members of the Virtual Chassis configuration.	Runs cleanup on the specified member switch.
show log user	Display users who are viewing the system log.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system alarms	Display active system alarms.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system audit	Display the state and checksum values for file systems.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system boot-messages	Display initial messages generated by the system kernel upon startup. These messages are the contents of /var/run/dmesg.boot.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system core-dumps	Display a core file generated by an internal JUNOS process.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system directory-usage	Display directory usage information.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system reboot	Display pending system reboots or halts.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system snapshot	Display information about the backup software that is located in the /altroot and /altconfig file systems. To back up software, use the request system snapshot command.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.

Table 1: Commands That Can be Run on All or Specific Members of the Virtual Chassis Configuration (continued)

Commands Available for Command Forwarding	Purpose	all-members	member-member-id
show system software	Display the JUNOS extensions loaded on your switch.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system statistics	Display systemwide protocol-related statistics.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system storage	Display statistics about the amount of free disk space in the switch's file systems.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system uptime	Display the current time and information about how long the switch, the switch software, and any existing protocols have been running	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.
show system users	Show all users who are currently logged in.	Shows all users who are currently logged in to any members of the Virtual Chassis configuration.	Shows all users who are currently logged in to the specified member switch.
show system virtual-memory	Display the usage of JUNOS kernel memory, listed first by size of allocation and then by type of usage. Use show system virtual-memory for troubleshooting with JTAC.	Displays information for all members of the Virtual Chassis configuration.	Displays information for the specified member switch.

Table 2 shows a list of commands that are relevant only to the master. Do not use the options **all-members** or **member-member-id** with these commands.

Table 2: Commands Relevant Only to the Master

Commands Relevant Only to the Master	Purpose
set date	Set the data and time.
show system buffers	Display information about the buffer pool that the Routing Engine uses for local traffic. Local traffic is the routing and management traffic that is exchanged between the Routing Engine and the Packet Forwarding Engine within the switch, as well as the routing and management traffic from IP (that is, from OSPF, BGP, SNMP, ping operations, and so on).
show system connections	Display information about the active IP sockets on the Routing Engine. Use this command to verify which servers are active on a system and which connections are currently in progress.
show system processes	Display information about software processes that are running on the switch and that have controlling terminals.

Related Topics ■ Monitoring Virtual Chassis Configuration Status and Statistics

- Understanding Virtual Chassis Components
- *JUNOS System Basics and Services Command Reference* at <http://www.juniper.net/techpubs/software/junos/junos90>

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