quick reference guide

hp StorageWorks fabric OS commands version 3.0.x/4.0.x

Product Version: 3.0.x/4.0.x

Command	Description
agtcfgDefault	Reset the SNMP agent configuration to default values.
agtcfgSet	Modify the SNMP agent configuration.
agtcfgShow	Display the SNMP agent configuration.
aliasDelete	Delete a port from all local groups.
aliasJoin	Create or add a member to a group of N_Ports.
aliasPurge	Remove an alias group.
aliasShow	Display local alias server information.
aliAdd	Add a member to a zone alias.
aliCreate	Create a zone alias.
aliDelete	Delete a zone alias.
aliRemove	Remove a member from a zone alias.
aliShow	Display zone alias information.
backplanetest	Backplane connection test for multiple blade configured system.
backPort	Test for back-end miniswitch-to-miniswitch links.
backSpace	Set an alternate backspace character.
bcastShow	Display broadcast routing information.
bladeBeacon	Set blade beaconing mode on or off.
bladeDiag	Run diagnostics on a switch blade.
bladeDiagShort	Run diagnostics on a switch blade.
bladePropShow	Display blade property.
bsn	Display the serial number.
camTest	Verify QuickLoop's Content Addressable Memory (CAM) SID translation.
centralMemoryTest	Test ASIC central memory operation.
cfgAdd	Add a member to a zone configuration.
cfgClear	Clear all zone configurations.
cfgCreate	Create a zone configuration.
cfgDelete	Delete a zone configuration.
cfgDisable	Disable a zone configuration.
cfgEnable	Enable a zone configuration.
cfgRemove	Remove a member from a zone configuration.
cfgSave	Save zone configuration to non-volatile memory.
cfgShow	Display zone configuration information.
cfgTransAbort	Abort the current zoning transaction.
chassisName	Display or set the chassis name for a StorageWorks Core switch.
chassisShow	Display all Field Replaceable Units (FRUs).

Legend:
V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

chippropshow	Display ASIC chip property contents.
chipregshow	Display port registers of a given chip number.
cmemRetentionTest	Test the data retention of the central memory SRAMs.
cmiTest	Verify the Control Message Interface (CMI) bus between ASICs.
configDefault	Reset a subset of configuration settings to the default values.
configDownload	Load the switch configuration file from a host system.
configShow	Display system configuration settings.
configUpload	Create a backup file of switch configuration information on a host workstation.
configure	Modify system configuration settings.
crossPortTest	Functional test of port external transmit and receive path.
dataTypeShow	Displays sample data stream types used in some diagnostic commands.
date	Display or set the switch date and time.
diagClearError	Clear the diag software flag to allow for retest.
diagCommandShow	Displays a list of diagnostic commands.
diagDisablePost	Disable POST execution at reboot.
diagEnablePost	Enable POST execution at next reboot.
diagesdports	Set ESD skip ports list.
diagfaillimit	Set diagnostics fail limit.
diagHelp	Display diagnostic command information.
diagloopid	Set the diagnostics loop ID.
diagmodepr	Enable or disable mode messages.
diagpost	Enable or disable POST testing.
diagretry	Enable or disable retry mode.
diagsetburnin	Initializes the blade for a burn-in run.
diagsetcycle	Set diagnostic script parameters.
diagshow	Display diagnostics status.
diagshowtime	Enable or disable elapsed time messages.
diagsilkworm	Enable or disable silkworm mode.
diagskiptests	Enable or disable diagnostics skip test flags.
diagstopburnin	Terminate a blade burn-in run.
dlsReset	Disable Dynamic Load Sharing (DLS) option.
dlsSet	Enable Dynamic Load Sharing (DLS) option.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

dlsShow	Display the setting of the Dynamic Load Sharing (DLS) option.
errDump	Display the error log without page breaks.
errShow	Scroll through the error log.
fabricShow	Display fabric membership information.
fabStatsShow	Display the fabric statistics information.
fanDisable	Disable a fan unit.
fanEnable	Enable a fan unit.
fanShow	Display fan status.
faStatsShow	Display statistics about Fabric Assist.
fastboot	Reboot the switch, bypassing POST.
fazoneAdd	Add a member to a Fabric Assist zone.
fazoneCreate	Create a Fabric Assist zone.
fazoneDelete	Delete a Fabric Assist mode zone.
fazoneRemove	Remove members from a Fabric Assist mode zone.
fazoneShow	Display fazone information.
filterTest	Frame Filter test.
firmwareCommit	Commit switch firmware update.
firmwareDownload	Download switch firmware from a remote host or from a local directory.
firmwarerestore	Restore old active firmware image.
fspfShow	Display FSPF protocol information.
fwAlarmsFilterSet	Enable or disable alarms for Fabric Watch.
fwAlarmsFilterShow	Display alarm filtering for Fabric Watch.
fwClassInit	Initialize all classes under Fabric Watch.
fwConfigReload	Reload the Fabric Watch configuration.
fwConfigure	Display and modify the Fabric Watch configuration and status.
fwFruCfg	Display or modify FRU state alert configuration.
fwHelp	Display Fabric Watch command information.
fwMailCfg	Configure e-mail alerts in Fabric Watch.
fwSetToCustom	Set boundary and alarm levels to custom values.
fwSetToDefault	Set boundary and alarm levels to the default values.
fwShow	Display the thresholds monitored by Fabric Watch.
gbicShow	Display serial ID GBIC information.
h	Display shell history.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

haDisable	Disable the High Availability feature in the switch.
haEnable	Enable the High Availability feature in the switch.
haFailover	Forces the failover mechanism so that the Standby CP becomes the Active CP.
haShow	Display control processor (CP) status.
help	Display help information for commands.
historyLastShow	Display last history log record.
historyShow	Display the history log.
i	Display task summary.
ifModeSet	Set the link operating mode for a network interface.
ifModeShow	Display the link operating mode for a network interface.
ifShow	Display network interface information.
interfaceShow	Display FSPF interface information.
iodReset	Turn off the In-order Delivery (IOD) option.
iodSet	Enable the In-Order Delivery (IOD) option.
iodShow	Display the In-Order Delivery (IOD) option setting.
ipAddrSet	Set the IP Address details for a switch or Control Processor.
ipAddrShow	Display the IP address for a switch or Control Processor.
licenseAdd	Add license key to switch.
licenseHelp	Commands used to administer license keys.
licenseIdShow	Display system license ID.
licenseRemove	Remove the license key from a switch.
licenseShow	Display current license keys.
linkCost	Set or print the FSPF cost of a link.
login	Login as a new user.
logout	Logout from a shell session.
loopdiagClear	Clear information from management layers.
loopdiagDone	Completes loopdiag application.
loopdiagRestore	Restore the original loop configuration.
loopdiagStart	Start loopdiag application.
loopdiagStop	Stops the loopdiag application.
loopPortTest	Tests the L-port path on a loop.
LSDbShow	Display the FSPF Link State Database.
lutil	License administration utility.
mcastShow	Display multicast routing information.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

memshow	Display the amount of free and used memory in switch.
minispropshow	Display the properties of the mini-switches.
minisregshow	Display port registers for a specified mini-switch.
msCapabilityShow	Display the Management Server Capability.
msConfigure	Configure the Management Server.
msPlatShow	Display the Management Server Platform database.
msPlCapabilityShow	Display the Platform Database Management Capability.
msPlClearDB	Clear the Management Server Platform database on all switches in the fabric.
msPlMgmtActivate	Activate the Management Server Platform service on all switches in the fabric.
msPlMgmtDeactivate	Deactivate the Management Server Platform service on all switches in the fabric.
msTdDisable	Disable the Management Server Topology Discovery service.
msTdEnable	Enable the Management Server Topology Discovery service.
msTDReadConfig	Display the status of Management Server Topology Discovery service.
myid	Display the current login session details.
nbrStatsClear	Reset FSPF interface counters.
nbrStateShow	Display FSPF neighbor's state.
nsAllShow	Display global Name Server information.
nsShow	Display local Name Server information.
parityCheck	Enable or disable DRAM parity checking.
passwd	Change system login name and password.
perfAddEEMonitor	Add end-to-end monitor to a port.
perfAddIPMonitor	Add a filter-based monitor for IP frame count.
perfAddReadMonitor	Add a filter-based monitor for the SCSI Read command.
perfAddRWMonitor	Add a monitor for the SCSI Read and Write commands.
perfAddSCSIMonitor	Add a monitor for SCSI frame count.
perfAddUserMonitor	Add a user-defined filter-based monitor.
perfAddWriteMonitor	Add a filter-based monitor for the SCSI Write command.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

perfCfgClear	Clear the previously saved performance monitoring configuration settings from non-volatile memory
perfCfgRestore	Restore performance monitoring configuration settings from non-volatile memory
perfCfgSave	Save performance monitoring configuration settings to non-volatile memory.
perfClrAlpaCrc	Clear an AL_PA device's CRC count by the port and AL_PA.
perfDelEEMonitor	Delete an end-to-end monitor on port.
perfDelFilterMonitor	Delete a filter-based monitor.
perfHelp	Display performance monitoring help information.
perfSetPortEEMask	Set overall mask for end-to-end (EE) monitors.
perfShowAlpaCrc	Display the AL_PA CRC count by port or by AL_PA.
perfShowEEMonitor	Display end-to-end monitor information and frame traffic on a port.
perfShowFilterMonitor	Display filter-based monitor information and frame traffic for a port.
perfShowPortEEMask	Display the current end-to-end mask of a port.
portCfgEport	Enable or disable a port from becoming an E_Port.
portCfgGport	Designate a port as a locked G_Port.
portCfgLongDistance	Configure a port to support long distance links.
portCfgLport	Lock a port as an L_PORT.
portCfgMcastLoopback	Configure a port to receive multicast frames.
portCfgShow	Display port configuration settings.
portCfgSpeed	Configure the port speed level.
portCfgTrunkport	Configure a port to be enabled or disabled for trunking.
portDisable	Disable a switch port.
portEnable	Enable a switch port.
portErrShow	Display port error summary.
portLEDTest	Exercise the user port LEDs.
portLogClear	Clear the port log.
portLogDump	Display the port log without page breaks.
portLogDumpPort	Display the port log of specified port, without page breaks.
portLogShow	Display the port log.
portLoopbackTest	Functional test of port N->N path.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

portPerfShow	Display port throughput performance in bytes, kilobytes, or megabytes.
portRegTest	Bit write/read test of the ASIC SRAMs and registers.
portRouteShow	Display routing tables for a port.
portShow	Display port status.
portStatsShow	Display port hardware statistics.
powerOffListSet	Sets slot power off list order.
powerOffListShow	Displays slot power off list order.
psShow	Display power supply status.
ptdatashow	Display port data structure.
ptphantomshow	Display port routing tables.
ptpropshow	Display port properties.
ptregshow	Display ASIC port registers.
ptrouteshow	Display port routing properties.
ptstatsshow	Display port statistics properties.
qlDisable	Disable QuickLoop mode.
qlEnable	Enable QuickLoop mode.
qloopAdd	Add a member to a QuickLoop.
qloopCreate	Create a QuickLoop.
qloopDelete	Delete a QuickLoop.
qloopRemove	Remove a member from a QuickLoop.
qloopShow	Display QuickLoop information.
qlPartner	Set a QuickLoop partner or display information about a partner.
qlPortDisable	Disable a QuickLoop port.
qlPortEnable	Enable a QuickLoop port.
qlPortShowAll	Display QuickLoop port information.
qlShow	Display QuickLoop information.
qlStatsShow	Display QuickLoop statistics.
quietMode	Toggle the shell quiet mode on and off.
ramTest	Bit write and read test of SDRAMs in the switch.
reboot	Reboot the switch.
routeHelp	Display routing help commands.
savecore	Save or remove core files created by daemons.
sensorShow	Display sensor readings.
setesdmode	Enable or disable ESD mode.
setgbicmode	Enable or disable GBIC mode.
setmfgmode	Enable or disable Mfg mode.
setsfpmode	Enable or disable SFP mode.
setSlot	Set the default slot number for diagnostic commands.
setSplbMode	Enable or disable two port loopback.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

sfpShow	Display serial ID SFP information.
slotOff	Disable a blade slot.
slotOn	Enable a blade slot.
slotpoweroff	Power off a blade unit.
slotpoweron	Power on a blade unit.
slotShow	Display slot status.
snmpMibCapSet	View and modify options for configuring SNMP MIB trap capability.
spinFab	Test for Cascaded switch ISL links.
spinSilk	Functional test of internal and external transmit and receive paths at full speed.
sramRetentionTest	Data retention test of the miscellaneous SRAMs in ASIC.
statsTest	Run a statistics counter diagnostic test.
supportShow	Print switch information for debugging purposes.
switchBeacon	Set switch beaconing mode on or off.
switchCfgSpeed	Configure all ports of the switch to a particular speed level.
switchCfgTrunk	Enable or disable trunking on all the ports of a switch.
switchDisable	Disable the switch.
switchEnable	Enable the switch.
switchName	Display or set switch name.
switchReboot	Halt and bring down the operational switch.
switchShow	Display switch and port status.
switchShutdown	Halt the operational switch.
switchStart	Initialize the switch to operational.
switchStatusPolicySet	Set the policy parameters that determine the overall switch status.
switchStatusPolicyShow	Display the policy parameters that determine the overall switch status.
switchStatusShow	Display the overall status of the switch.
switchuptime	Display the amount of time the switch has been operating.
syslogdIpAdd	Add the IP address of a syslog daemon.
syslogdIpRemove	Remove the IP address of a syslog daemon.
syslogdIpShow	Display all syslog daemon IP addresses.
systemtest	Run diagnostics on a switch blade.
tempShow	Display temperature readings.
topologyShow	Display the unicast fabric topology.
trackChangesSet	Enable configuring of track-changes feature.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands

trackChangesShow	Display status of track-changes feature.
trunkDebug	Debug a trunk link failure.
trunkShow	Display trunking information.
turboRamTest	Turbo SRAM logic test for 2-Gb ASICs.
uptime	Display length of time the system has been operational.
uRouteConfig	Configure a static route.
uRouteRemove	Remove a static route.
uRouteShow	Display unicast routing information.
version	Display firmware version information.
wwn	View a switch WWN.
zoneAdd	Add a member to the zone.
zoneCreate	Create a zone.
zoneDelete	Delete a zone.
zoneHelp	Display help information on zone commands.
zoneRemove	Remove a member from a zone.
zoneShow	Display zone information.

Legend: V3.0.x unique commands
V4.0.x unique commands
V3.0.x and V4.0.x commands