



# SUPERSTACK<sup>®</sup> 3 SWITCH 4400 SERIES MANAGEMENT QUICK REFERENCE GUIDE

## Summary of Software Features

This table summarizes the software features that are supported by the Switch 4400 Series Management Software Version 4.0x.

Feature	Switch 4400
<b>Automatic IP Configuration</b>	Supported using DHCP, BootP and Auto IP
<b>Resilient Links</b>	Supported
<b>Aggregated Links</b>	Supported stack-wide
<b>Broadcast Storm Control</b>	Supported
<b>Virtual LANs (VLANs)</b>	Support for up to 64 VLANs using the IEEE Std 802.1Q-1998
<b>Link Aggregation Control Protocol (LACP)</b>	Supported using the IEEE Std 802.3-2002 (incorporating 802.3ad)
<b>Multicast Filtering</b>	<ul style="list-style-type: none"><li>■ 128 Multicast filter groups supported</li><li>■ IGMP filtering supported</li></ul>
<b>Spanning Tree Protocol</b>	Supported using the IEEE Std 802.1D, 1998 Edition
<b>Rapid Spanning Tree Protocol</b>	Supported using the IEEE Std 802.1w-2001
<b>Roving Analysis Port</b>	Supported
<b>Webcache Support*</b>	Supported
<b>Basic Traffic Prioritization</b>	Supported
<b>Advanced Traffic Prioritization*</b>	Supported
<b>RMON</b>	Four groups supported: Statistics, History, Alarms, Event
<b>Email, SMS and Pager Notification of Events</b>	Supported
<b>Management</b>	Web interface, command line interface, and SNMP supported
<b>RADIUS Authentication of Switch Management Login*</b>	Supported
<b>Port Security</b>	Disconnect Unauthorized Device (DUD) and Network Login* (using the IEEE Std 802.1X-2001) supported
<b>Configuration Save and Restore</b>	Supported
<b>Power over Ethernet †</b>	Supported (802.3af power over signal pairs)

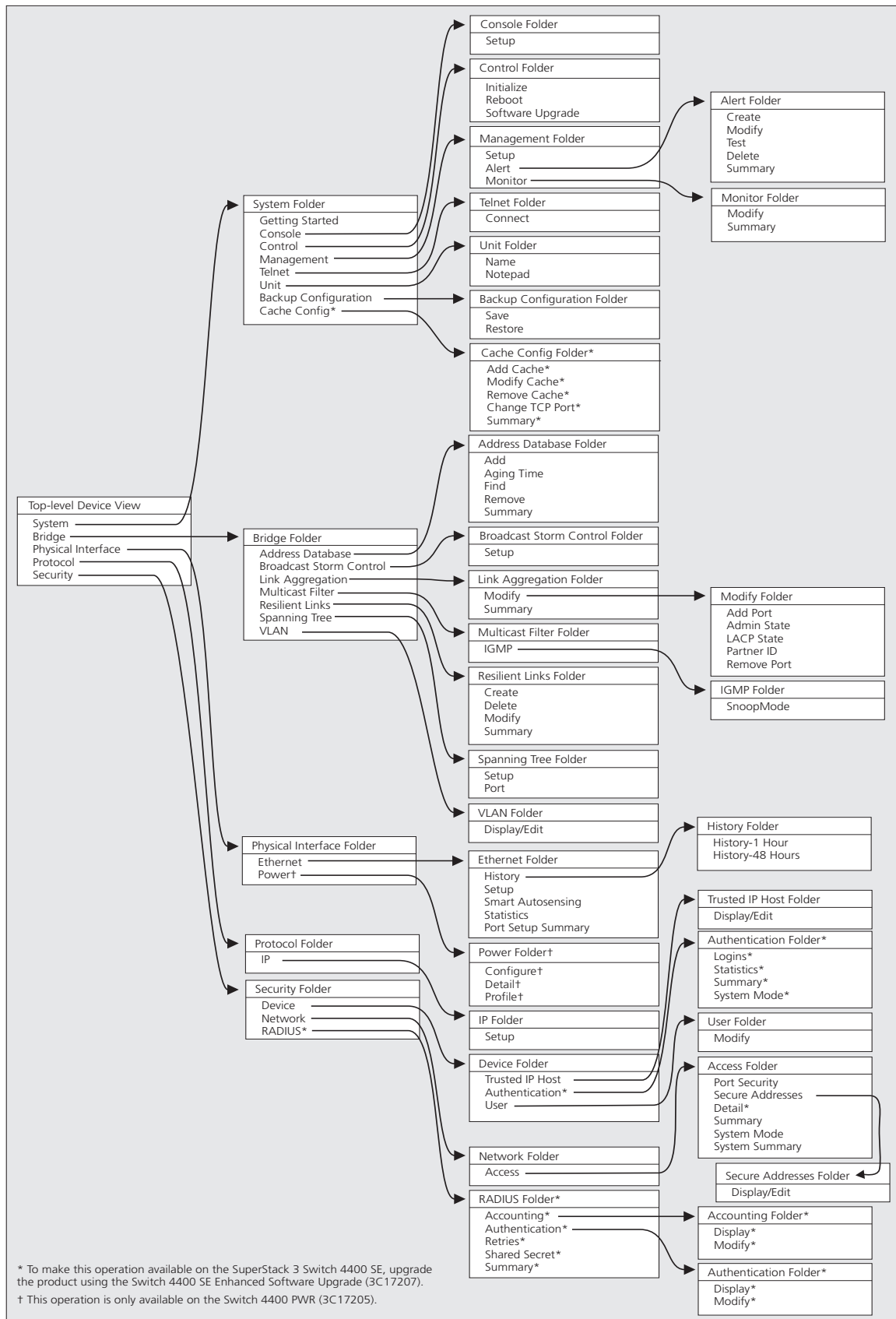
\* To make this operation available on the SuperStack 3 Switch 4400 SE, upgrade the product using the Switch 4400 SE Enhanced Software Upgrade (3C17207).

† This feature is only available on the Switch 4400 PWR (3C17205).

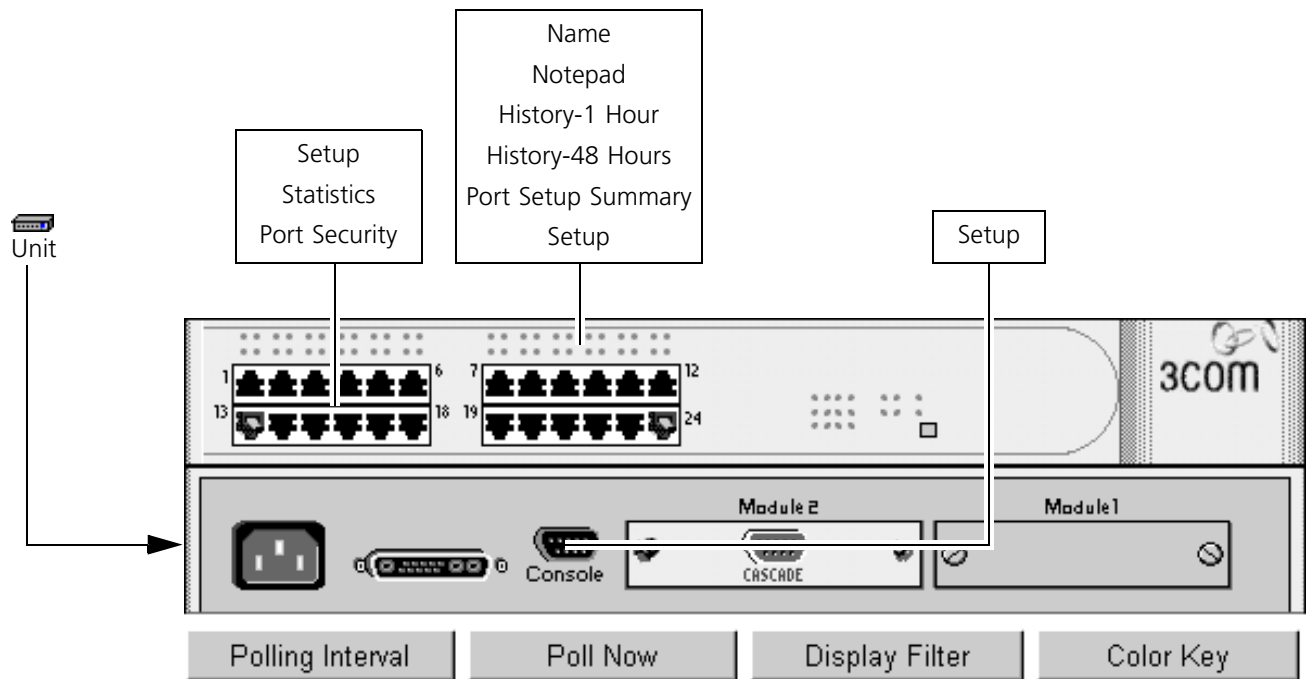


*For further information on how each of these features operates on your Switch please refer to the Implementation Guide which is supplied on the CD-ROM that accompanies your Switch.*

# Web Interface Map – Device View



## Web Interface Device Mimic



For example purposes only, this graphic shows a Switch 4400 PWR.

## A Quick Guide to the Web Interface Operations

This table describes the operations that are available in the Web Interface.

Operation	What does the Operation do?
System Getting Started	Guides you through the initial configuration of the stack.
System Console Setup	Configures the type, speed and flow of a console port.
System Control Initialize	Initializes every unit in the stack to factory default settings.
System Control Reboot	Resets all units in the stack simultaneously.
System Control Software Upgrade	Upgrades the software on all units in the stack.
System Management Setup	Changes information for the stack.
System Management Alert Create	Creates and defines an email alert and its distribution.
System Management Alert Modify	Modifies an existing email alert and its distribution.
System Management Alert Test	Sends a test email alert.
System Management Alert Delete	Deletes an existing email alert.
System Management Alert Summary	Displays summary information for configured email alerts.
System Management Monitor Modify	Sets up a device or port to be monitored for email alerts.
System Management Monitor Summary	Displays summary information for devices or ports on which monitoring is enabled.

<b>Operation (Continued)</b>	<b>What does the Operation do?</b>
System Telnet Connect	Starts a Telnet session to the stack in a separate window.
System Unit Name	Assigns a name to the unit.
System Unit Notepad	Opens a notepad for the unit.
System Backup Configuration Save	Saves the current configuration of the stack to a file.
System Backup Configuration Restore	Restores the configuration of the stack from a file.
System Cache Config Add Cache*	Adds the IP address of a Webcache to the network.
System Cache Config Modify Cache*	Modifies the Webcache information.
System Cache Config Remove Cache*	Deletes a Webcache from the network.
System Cache Config Change TCP Port*	Specifies the TCP Port number for traffic to be redirected to a Webcache.
System Cache Config Summary*	Displays summary information for a Webcache set up on the network.
Bridge Address Database Add	Adds an address to the database.
Bridge Address Database Aging Time	Configures the aging period for the address database.
Bridge Address Database Find	Displays the location of a MAC address.
Bridge Address Database Remove	Deletes an address from the database.
Bridge Address Database Summary	Views all addresses that are stored against a particular port or aggregated link.
Bridge Broadcast Storm Control Setup	Configures Broadcast Storm Control parameters for the stack.
Bridge Link Aggregation Modify Add Port	Adds a port to an aggregated link.
Bridge Link Aggregation Modify Admin State	Changes the state of an aggregated link.
Bridge Link Aggregation Modify LACP State	Enables or disables LACP on a port.
Bridge Link Aggregation Modify Partner ID	Sets the Partner ID for an aggregated link.
Bridge Link Aggregation Modify Remove Port	Deletes a port from an aggregated link.
Bridge Link Aggregation Summary	Lists all of the aggregated links in the stack.
Bridge Multicast Filter IGMP SnoopMode	Configures IGMP multicast learning for the stack.
Bridge Resilient Links Create	Creates a resilient link on the stack.
Bridge Resilient Links Delete	Deletes a resilient link that is configured on the stack.
Bridge Resilient Links Modify	Sets the main or standby link on a resilient pair as the active link.
Bridge Resilient Links Summary	Displays details of all resilient links that are currently configured on the stack.
Bridge Spanning Tree Setup	Configures stack-wide spanning tree parameters.
Bridge Spanning Tree Port	Configures spanning tree per port.
Bridge VLAN Display/Edit	Displays and modifies current VLAN configuration.
Physical Interface Ethernet History History-1 Hour	Displays packet activity for all ports on a unit over the previous hour.
Physical Interface Ethernet History History-48 Hours	Displays packet activity for all ports on a unit over the previous 48 hours.
Physical Interface Ethernet Setup	Sets up single or multiple Ethernet ports.
Physical Interface Ethernet Smart Autosensing	Configures smart autosensing for the stack.
Physical Interface Ethernet Statistics	Displays statistics for packet and error traffic on one or more ports.
Physical Interface Ethernet Port Setup Summary	Displays summary information for the stack.
Physical Interface Power Configure†	Displays and modifies power allocation for each port.

Operation (Continued)	What does the Operation do?
Physical Interface Power Detail†	Displays power usage for a port.
Physical Interface Power Profile†	Displays power requirements for 3Com Power over Ethernet products.
Protocol IP Setup	Configures the IP information for the unit.
Security Device Trusted IP Host Display/Edit	Displays and configures current Trusted IP Host settings.
Security Device Authentication Logins*	Displays authentication attempts.
Security Device Authentication Statistics*	Displays authentication statistics.
Security Device Authentication Summary*	Displays summary information on authentication.
Security Device Authentication System Mode*	Modifies the authentication mode.
Security Device User Modify	Modifies the password of the current user.
Security Network Access Port Security	Sets the security mode of single or multiple ports on a unit.
Security Network Access Secure Addresses Display/Edit	Displays and configures Secure Address settings.
Security Network Access Detail*	Displays detailed information on port security settings.
Security Network Access Summary	Displays summary information on network access.
Security Network Access System Mode	Enables or disables network security.
Security Network Access System Summary	Displays summary information on the system security settings.
Security RADIUS Accounting Display*	Displays RADIUS accounting statistics.
Security RADIUS Accounting Modify*	Modifies RADIUS accounting configuration.
Security RADIUS Authentication Display*	Displays RADIUS authentication statistics.
Security RADIUS Authentication Modify*	Modifies RADIUS authentication configuration.
Security RADIUS Retries*	Modifies RADIUS retry parameters.
Security RADIUS Shared Secret*	Modifies RADIUS security key.
Security RADIUS Summary*	Displays summary information on RADIUS.

\* To make this operation available on the SuperStack 3 Switch 4400 SE, upgrade the product using the Switch 4400 SE Enhanced Software Upgrade (3C17207).

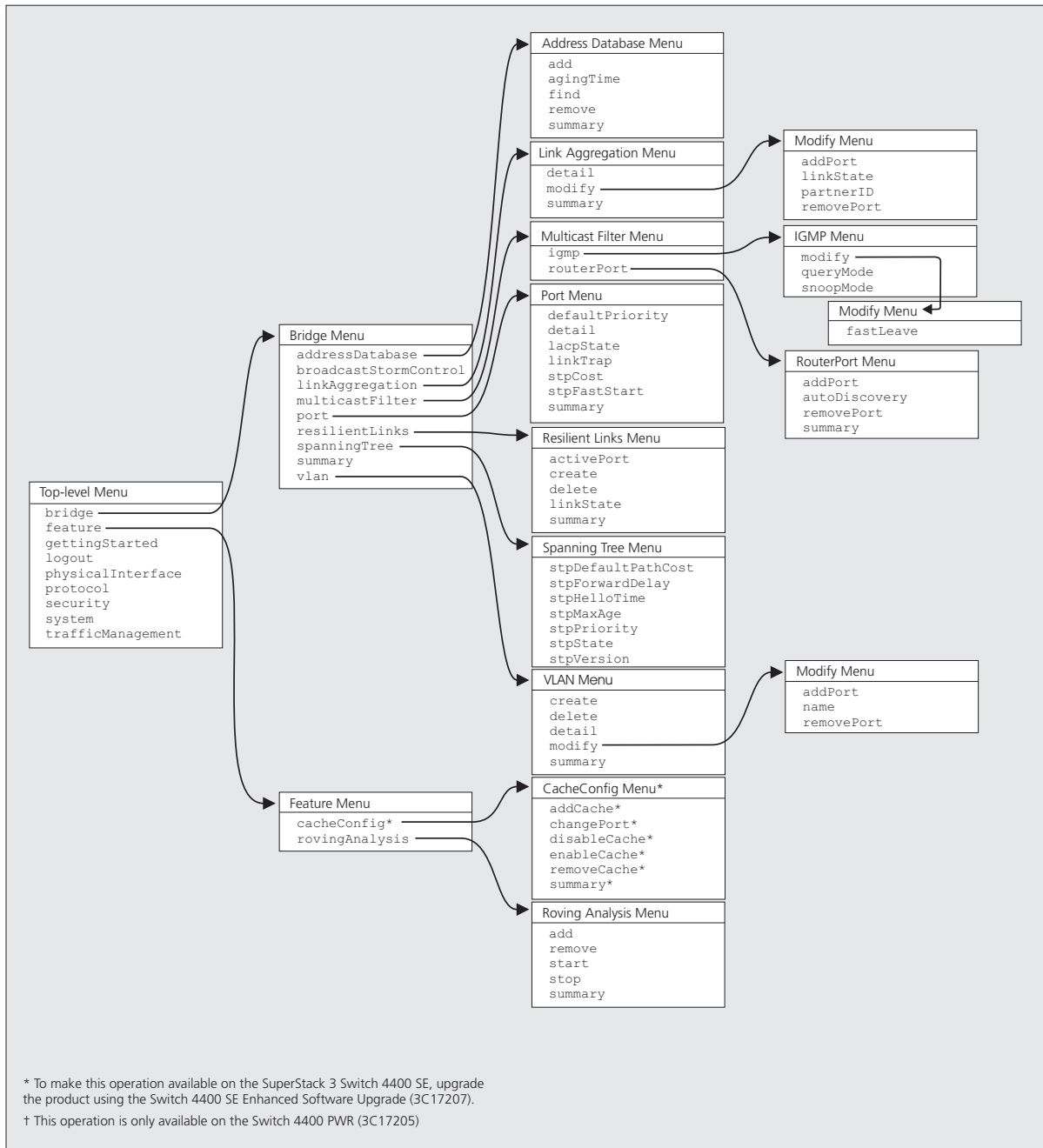
† This operation is only available on the Switch 4400 PWR (3C17205).

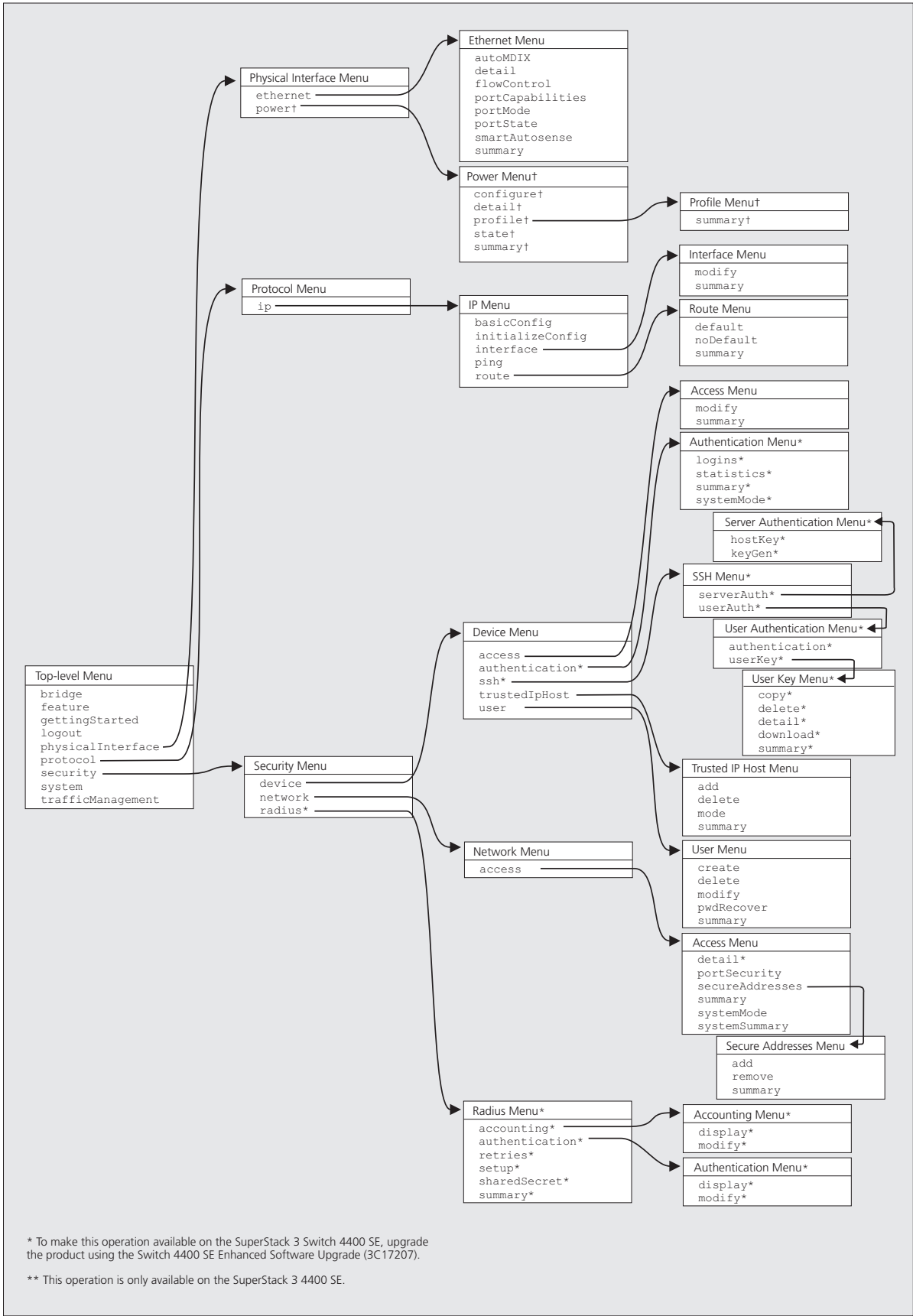


*For detailed descriptions of the web interface operations and the command line interface (CLI) commands that you require to manage the Switch please refer to the Management Interface Reference Guide supplied in HTML format on the CD-ROM that accompanies your Switch.*

## Command Line Interface Map

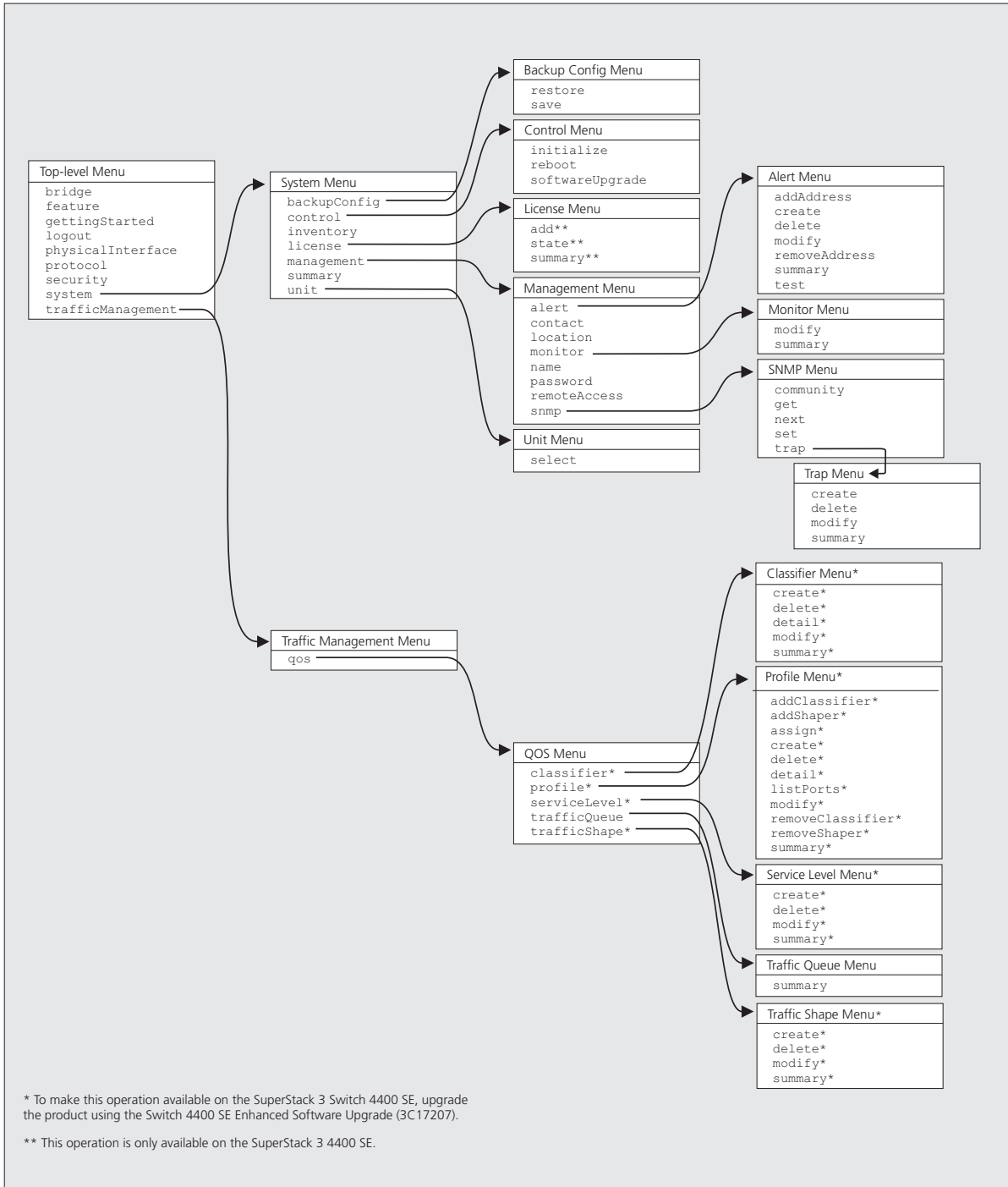
- **To display sub-menus:**  
At the *Select menu option* prompt, enter the name of the menu or menus.
- **To display parent menus:**  
At the *Select menu option* prompt, enter **quit**.
- **To display the Top-level menu:**  
Press the [Esc] key.
- **To obtain help:**  
At the *Select menu option* prompt, enter ?.





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\*\* This operation is only available on the SuperStack 3 4400 SE.





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## A Quick Guide to the Command Line Interface Commands

This table describes the commands that are available in the Command Line Interface.

Command	What does the Command do?
<code>bridge addressDatabase add</code>	Adds a statically configured address.
<code>bridge addressDatabase agingTime</code>	Sets the bridge address aging time.
<code>bridge addressDatabase find</code>	Finds an address.
<code>bridge addressDatabase remove</code>	Removes an address.
<code>bridge addressDatabase summary</code>	Displays summary information on addresses.
<code>bridge broadcastStormControl</code>	Enables or disables broadcast storm control.
<code>bridge linkAggregation detail</code>	Displays detailed information on an aggregated link.
<code>bridge linkAggregation modify addPort</code>	Adds a port to an aggregated link.
<code>bridge linkAggregation modify linkState</code>	Enables or disables an aggregated link.
<code>bridge linkAggregation modify partnerID</code>	Sets the partnerID for an aggregated link.
<code>bridge linkAggregation modify removePort</code>	Removes a port from an aggregated link.
<code>bridge linkAggregation summary</code>	Displays summary information on an aggregated link.
<code>bridge multicastFilter igmp modify fastLeave</code>	Enables or disables IGMP fast leave.
<code>bridge multicastFilter igmp queryMode</code>	Enables or disables IGMP query mode.
<code>bridge multicastFilter igmp snoopMode</code>	Enables or disables IGMP Multicast learning.
<code>bridge multicastFilter routerPort addPort</code>	Adds a statically configured router port.
<code>bridge multicastFilter routerPort autoDiscovery</code>	Enables or disables router port auto discovery.
<code>bridge multicastFilter routerPort removePort</code>	Removes a router port.
<code>bridge multicastFilter routerPort summary</code>	Displays summary information on a router port.
<code>bridge port defaultPriority</code>	Sets the default 802.1D priority for untagged frames.
<code>bridge port detail</code>	Displays detailed information on a port.
<code>bridge port lacpState</code>	Enables or disables LACP on a port.
<code>bridge port linkTrap</code>	Enables or disables Port Link Traps.
<code>bridge port stpCost</code>	Sets the Spanning Tree path cost parameter.
<code>bridge port stpFastStart</code>	Enables or disables Spanning Tree fast start.
<code>bridge port summary</code>	Displays summary information on a port.
<code>bridge resilientLinks activePort</code>	Sets the active resilient link port.
<code>bridge resilientLinks create</code>	Creates a resilient link.
<code>bridge resilientLinks delete</code>	Deletes a resilient link.
<code>bridge resilientLinks linkState</code>	Enables or disables the resilient link pair.
<code>bridge resilientLinks summary</code>	Displays summary information on a resilient link pair.
<code>bridge spanningTree stpDefaultPathCost</code>	Sets the bridge Spanning Tree default path costs.
<code>bridge spanningTree stpForwardDelay</code>	Sets the bridge Spanning Tree forward delay parameter.
<code>bridge spanningTree stpHelloTime</code>	Sets the bridge Spanning Tree hello time parameter.
<code>bridge spanningTree stpMaxAge</code>	Sets the bridge Spanning Tree maximum age parameter.
<code>bridge spanningTree stpPriority</code>	Sets the bridge Spanning Tree priority parameter.

Command (Continued)	What does the Command do?
<code>bridge spanningTree stpState</code>	Enables or disables Spanning Tree on a bridge.
<code>bridge spanningTree stpVersion</code>	Selects the version of Spanning Tree to run on the bridge.
<code>bridge summary</code>	Displays bridge information for the unit.
<code>bridge vlan create</code>	Creates a VLAN.
<code>bridge vlan delete</code>	Deletes a VLAN.
<code>bridge vlan detail</code>	Displays detailed information on a VLAN.
<code>bridge vlan modify addPort</code>	Adds a port to a VLAN.
<code>bridge vlan modify name</code>	Names a VLAN.
<code>bridge vlan modify removePort</code>	Removes a port from a VLAN.
<code>bridge vlan summary</code>	Displays summary information on a VLAN.
<code>feature cacheConfig addCache*</code>	Adds the IP address of a Webcache to the network.
<code>feature cacheConfig changePort*</code>	Changes the TCP port number redirected.
<code>feature cacheConfig disableCache*</code>	Disables redirection to a Webcache on the network.
<code>feature cacheConfig enableCache*</code>	Enables redirection to a Webcache on the network.
<code>feature cacheConfig removeCache*</code>	Removes the IP address of a Webcache from the network.
<code>feature cacheConfig summary*</code>	Displays summary information for the redirection feature.
<code>feature rovingAnalysis add</code>	Configures the roving analysis port.
<code>feature rovingAnalysis remove</code>	Clears the roving analysis port.
<code>feature rovingAnalysis start</code>	Starts monitoring the roving analysis port.
<code>feature rovingAnalysis stop</code>	Stops monitoring the roving analysis port.
<code>feature rovingAnalysis summary</code>	Displays summary information on the roving analysis port.
<code>gettingStarted</code>	Guides you through the initial configuration of the stack.
<code>logout</code>	Logs out of the Command Line Interface.
<code>physicalInterface ethernet autoMDIX</code>	Enables or disables auto MDIX on a port.
<code>physicalInterface ethernet detail</code>	Displays detailed information on an Ethernet port.
<code>physicalInterface ethernet flowControl</code>	Enables or disables flow control.
<code>physicalInterface ethernet portCapabilities</code>	Sets the port capabilities.
<code>physicalInterface ethernet portMode</code>	Sets the port speed and duplex mode.
<code>physicalInterface ethernet portState</code>	Enables or disables an Ethernet port.
<code>physicalInterface ethernet smartAutosense</code>	Enables or disables smart autosensing.
<code>physicalInterface ethernet summary</code>	Displays summary information on an Ethernet port.
<code>physicalInterface power configure †</code>	Configures Power over Ethernet on a port by port basis.
<code>physicalInterface power detail †</code>	Displays Power over Ethernet details for one port.
<code>physicalInterface power profile summary †</code>	Displays power requirements for 3Com Power over Ethernet products.
<code>physicalInterface power state †</code>	Enables or disables Power over Ethernet on a port by port basis.
<code>physicalInterface power summary †</code>	Displays a summary of Power over Ethernet on a port by port basis.
<code>protocol ip basicConfig</code>	Performs basic IP management configuration.

<b>Command (Continued)</b>	<b>What does the Command do?</b>
<code>protocol ip initializeConfig</code>	Resets IP information to factory defaults.
<code>protocol ip interface modify</code>	Modifies IP interface information.
<code>protocol ip interface summary</code>	Displays summary information on the IP interface.
<code>protocol ip ping</code>	Polls remote devices.
<code>protocol ip route default</code>	Defines the default route in the routing table.
<code>protocol ip route noDefault</code>	Removes the default route from the routing table.
<code>protocol ip route summary</code>	Displays summary information on the routing table.
<code>security device access modify</code>	Modifies access rights.
<code>security device access summary</code>	Displays summary information on access rights.
<code>security device authentication logins*</code>	Displays authentication attempts.
<code>security device authentication statistics*</code>	Displays authentication statistics.
<code>security device authentication summary*</code>	Displays summary information on authentication.
<code>security device authentication systemMode*</code>	Modifies the authentication mode.
<code>security device ssh serverAuth hostKey</code>	Displays the host public key.
<code>security device ssh serverAuth keyGen</code>	Generates a new host key.
<code>security device ssh userAuth authentication</code>	Defines user authentication method.
<code>security device ssh userAuth userkey copy</code>	Copies a user public key.
<code>security device ssh userAuth userkey delete</code>	Deletes a user public key.
<code>security device ssh userAuth userkey detail</code>	Displays a user public key.
<code>security device ssh userAuth userkey download</code>	Downloads a user public key.
<code>security device ssh userAuth userkey summary</code>	Displays summary information on user keys.
<code>security device trustedIPhost add</code>	Adds a Trusted IP Host or subnet.
<code>security device trustedIPhost delete</code>	Removes a Trusted IP Host or subnet.
<code>security device trustedIPhost mode</code>	Enables or disables a Trusted IP Host.
<code>security device trustedIPhost summary</code>	Displays Trusted IP Host information.
<code>security device user create</code>	Creates a user.
<code>security device user delete</code>	Deletes a user.
<code>security device user modify</code>	Modifies a user.
<code>security device user pwdRecover</code>	Enables or disables password recovery.
<code>security device user summary</code>	Displays summary information on users.
<code>security network access detail*</code>	Displays summary information on port users.
<code>security network access portSecurity</code>	Enables or disables DUD and NTK.
<code>security network access secureAddresses add</code>	Add a secure MAC address to a port.
<code>security network access secureAddresses remove</code>	Removes a secure MAC address from a port.
<code>security network access secureAddresses summary</code>	Displays the secure MAC addresses on specified ports..
<code>security network access summary</code>	Displays summary information on port security settings.
<code>security network access systemMode</code>	Enables or disables network security.
<code>security network access systemSummary</code>	Displays summary information on the system security settings.
<code>security radius accounting display*</code>	Displays RADIUS accounting statistics.

Command (Continued)	What does the Command do?
<code>security radius accounting modify*</code>	Modifies RADIUS accounting configuration.
<code>security radius authentication display*</code>	Displays RADIUS authentication statistics.
<code>security radius authentication modify*</code>	Modifies RADIUS authentication configuration.
<code>security radius retries*</code>	Modifies RADIUS retry parameters.
<code>security radius setup*</code>	Performs RADIUS configuration.
<code>security radius sharedSecret*</code>	Modifies RADIUS security key.
<code>security radius summary*</code>	Displays summary information on RADIUS.
<code>system backupConfig restore</code>	Restores the configuration of the stack from a file.
<code>system backupConfig save</code>	Saves the current configuration of the stack to a file.
<code>system control initialize</code>	Resets to factory defaults.
<code>system control reboot</code>	Performs a system reboot.
<code>system control softwareUpgrade</code>	Performs an agent software upgrade.
<code>system inventory</code>	Displays stack information.
<code>system license add**</code>	Adds a license for a software feature.
<code>system license state**</code>	Enables or disables an installed software feature license.
<code>system license summary**</code>	Displays summary information for all installed software feature licenses.
<code>system management alert addAddress</code>	Adds an email address to an alert.
<code>system management alert create</code>	Creates an alert.
<code>system management alert delete</code>	Deletes an alert.
<code>system management alert modify</code>	Modifies an existing alert.
<code>system management alert removeAddress</code>	Removes an email address from an alert.
<code>system management alert summary</code>	Displays summary information for the alert settings.
<code>system management alert test</code>	Generates a test alert.
<code>system management contact</code>	Sets the system contact.
<code>system management location</code>	Sets the system location.
<code>system management monitor modify</code>	Modifies a monitored item.
<code>system management monitor summary</code>	Displays summary information for monitored items.
<code>system management name</code>	Sets the system name.
<code>system management password</code>	Sets the system password.
<code>system management remoteAccess</code>	Changes remote access permissions.
<code>system management snmp community</code>	Sets the SNMP community string.
<code>system management snmp get</code>	Gets SNMP objects.
<code>system management snmp next</code>	Gets the next SNMP objects.
<code>system management snmp set</code>	Sets SNMP objects.
<code>system management snmp trap create</code>	Creates a trap destination.
<code>system management snmp trap delete</code>	Deletes a trap destination.
<code>system management snmp trap modify</code>	Modifies a trap destination.
<code>system management snmp trap summary</code>	Displays summary information on a trap destination.

Command (Continued)	What does the Command do?
<code>system summary</code>	Displays a summary of system information.
<code>system unit select</code>	Inputs commands to another unit.
<code>trafficManagement qos classifier create*</code>	Creates a classifier.
<code>trafficManagement qos classifier delete*</code>	Deletes a classifier.
<code>trafficManagement qos classifier detail*</code>	Displays detailed classifier information.
<code>trafficManagement qos classifier modify*</code>	Modifies a classifier.
<code>trafficManagement qos classifier summary*</code>	Displays summary information on classifiers.
<code>trafficManagement qos profile addClassifier*</code>	Adds a classifier to a QoS profile.
<code>trafficManagement qos profile addShaper*</code>	Adds a traffic shaper to a QoS profile.
<code>trafficManagement qos profile assign*</code>	Assigns QoS profiles to ports.
<code>trafficManagement qos profile create*</code>	Creates a QoS profile.
<code>trafficManagement qos profile delete*</code>	Deletes a QoS profile.
<code>trafficManagement qos profile detail*</code>	Displays detailed information about a QoS profile.
<code>trafficManagement qos profile listPorts*</code>	Lists all ports with their associated QoS profiles.
<code>trafficManagement qos profile modify*</code>	Modifies a QoS profile.
<code>trafficManagement qos profile removeClassifier*</code>	Removes a classifier from a QoS profile.
<code>trafficManagement qos profile removeShaper*</code>	Removes a traffic shaper from a QoS Profile.
<code>trafficManagement qos profile summary*</code>	Displays a summary of QoS profiles.
<code>trafficManagement qos serviceLevel create*</code>	Creates a service level.
<code>trafficManagement qos serviceLevel delete*</code>	Deletes a service level.
<code>trafficManagement qos serviceLevel modify*</code>	Modifies a service level.
<code>trafficManagement qos serviceLevel summary*</code>	Displays summary information on service levels.
<code>trafficManagement qos trafficQueue summary</code>	Displays summary information on traffic queues.
<code>trafficManagement qos trafficShape create*</code>	Creates a new traffic shaper.
<code>trafficManagement qos trafficShape delete*</code>	Deletes an existing traffic shaper.
<code>trafficManagement qos trafficShape modify*</code>	Modifies an existing traffic shaper.
<code>trafficManagement qos trafficShape summary*</code>	Displays summary information on a traffic shaper.

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† This operation is only available on the Switch 4400 PWR (3C17205).



*For detailed descriptions of the web interface operations and the command line interface (CLI) commands that you require to manage the Switch please refer to the Management Interface Reference Guide supplied in HTML format on the CD-ROM that accompanies your Switch.*





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