

clear logging server

Use the **clear logging server** command to delete a syslog server from the system log server table.

```
clear logging server ip_addr
```

Syntax Description	<i>ip_addr</i> IP address of the syslog server to be deleted.
Defaults	This command has no default setting.
Command Types	Switch command.
Command Modes	Privileged.
Examples	This example shows how to delete a syslog server from the configuration: <pre>Console> (enable) clear logging server 171.69.192.207 System log server 171.69.192.207 removed from system log server table. Console> (enable)</pre>
Related Commands	<pre>set logging server show logging</pre>

clear mls

Use the **clear mls** command set to clear the IP or IPX MLS features in the Catalyst 6000 family switches.

clear mls statistics

clear mls statistics protocol {*protocol*} {*port*} | **all**

clear mls entry [**ip** | **ipx**] **all**

clear mls entry [**ip**] [**destination** *ip_addr_spec*] [**source** *ip_addr_spec*]
[**protocol** *protocol*] [**src-port** *src_port*] [**dst-port** *dst_port*]

clear mls entry [**ipx**] [**destination** *ipx_addr_spec*] [**source** *ipx_net_addr*]

Syntax Description		
statistics		Keyword to clear total packets switched and total packets exported (for NDE).
statistics protocol		Keywords to clear protocols for statistics collection.
<i>protocol</i>		Number of the protocol in the protocol statistics list.
<i>port</i>		Number of the port.
all		Keyword to clear all entries from the statistics protocol list.
entry		Keyword to purge the specified MLS entry or all entries if all is specified. All matching MLS entries are purged.
ip		(Optional) Keyword to specify IP MLS.
ipx		(Optional) Keyword to specify IPX MLS.
destination		(Optional) Keyword to specify the destination IP address.
<i>ip_addr_spec</i>		(Optional) Full IP address or a subnet address in these formats: <i>ip_addr</i> , <i>ip_addr/netmask</i> , or <i>ip_addr/maskbit</i> .
source		(Optional) Keyword to specify the source IP address.
protocol <i>protocol</i>		(Optional) Keyword and variable to specify additional flow information (protocol family and protocol port pair) to be matched; valid values are from 1 to 255, ip , ipinip , icmp , igmp , tcp , and udp .
src-port <i>src_port</i>		(Optional) Keyword and variable to specify the source port IP address.
dst-port <i>dst_port</i>		(Optional) Keyword and variable to specify the destination port IP address.
<i>ipx_addr_spec</i>		(Optional) Full IPX address or a subnet address in these formats: <i>src_net/[mask]</i> , <i>dest_net.dest_node</i> , or <i>dest_net/mask</i> .
<i>ipx_net_addr</i>		(Optional) Source IPX net address.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

When specifying the **ip** | **ipx** keyword, if you specify **ip** or do not enter a keyword, this means that the command is for IP MLS. If you specify **ipx**, this means the command is for IPX only.

When entering the IPX address syntax, use the following format:

- IPX net address—1..FFFFFFE
- IPX node address—x.x.x where x is 0..FFFF
- IPX address—ipx_net.ipx_node (for example 3.0034.1245.AB45, A43.0000.0000.0001)

Up to 16 routers can be included explicitly as MLS-RPs.

To use a router as an MLS, you must meet these conditions:

- The router must be included (either explicitly or automatically) in the MLS-SE.
- The MLS feature must be enabled in the Catalyst 6000 family switches.
- The Catalyst 6000 family switches must know the router's MAC-VLAN pairs.

Use the following syntax to specify an IP subnet address:

- *ip_subnet_addr*—This is the short subnet address format. The trailing decimal number 00 in an IP address YY.YY.YY.00 specifies the boundary for an IP subnet address. For example, 172.22.36.00 indicates a 24-bit subnet address (subnet mask 172.22.36.00/255.255.255.0), and 173.24.00.00 indicates a 16-bit subnet address (subnet mask 173.24.00.00/255.255.0.0). However, this format can identify only a subnet address of 8, 16, or 24 bits.
- *ip_addr/subnet_mask*—This is the long subnet address format. For example, 172.22.252.00/255.255.252.00 indicates a 22-bit subnet address. This format can specify a subnet address of any bit number. To provide more flexibility, the *ip_addr* is a full host address, such as 172.22.253.1/255.255.252.00.
- *ip_addr/maskbits*—This is the simplified long subnet address format. The mask bits specify the number of bits of the network masks. For example, 172.22.252.00/22 indicates a 22-bit subnet address. The *ip_addr* is a full host address, such as 193.22.253.1/22, which has the same subnet address as the *ip_subnet_addr*.

If you do not use the **all** argument in the **clear mls entry** command, you must specify at least one of the other three keywords (**source**, **destination**, or **protocol**) and its arguments.

A 0 value for *source_port* and *destination_port* clears all entries. Unspecified options are treated as wildcards, and all entries are cleared.

If you enter any of the **clear mls** commands on a Catalyst 6000 family switch without MLS, this warning message displays:

```
Feature not supported in hardware.
```

When you remove an MSM from the Catalyst 6000 family switch, it is removed immediately from the inclusion list and all the MLS entries for the MSM are removed.

Examples

This example shows how to disable IP MLS for the Stargate router (IP address 172.20.15.1):

```
Console> (enable) clear mls include Stargate
Multilayer switching is disabled for router 172.20.15.1 (Stargate)
Console> (enable)
```

This example shows how to clear IP MLS statistics, including total packets switched and total packets exported (for NDE):

```
Console> (enable) clear mls statistics
Netflow data export statistics cleared.
Console> (enable)
```

This example shows how to clear protocol 17, port 19344 from statistics collection:

```
Console> (enable) clear mls statistics protocol 17 19344
Protocol 17 port 1934 cleared from protocol statistics list.
Console> (enable)
```

This example shows how to clear the MLS entries with destination IP address 172.20.26.22:

```
Console> (enable) clear mls entry destination 172.20.26.22
Multilayer switching entry cleared.
Console> (enable)
```

This example shows how to clear specific IP MLS entries for destination IP address 172.20.26.22:

```
Console> (enable) clear mls entry ip destination 172.20.26.22 source 172.20.22.113 protocol tcp 520 320
Multilayer switching entry cleared
Console> (enable)
```

This example shows how to clear specific IPX MLS entries for a destination IPX address:

```
Console> (enable) clear mls entry ipx destination 1.00e0.fefc.6000 source 3.0034.1245.AB45
IPX Multilayer switching entry cleared
Console> (enable)
```

Related Commands

```
set mls agingtime
set mls exclude protocol
set mls nde
set mls statistics protocol
show mls
```

clear mls exclude protocol

Use the **clear mls exclude protocol** command to remove a protocol port that has been excluded from shortcutting using the **set mls exclude protocol** command.

```
clear mls exclude protocol tcp | udp | both port
```

Syntax Description	tcp	Keyword to specify a TCP port.
	udp	Keyword to specify a UDP port.
	both	Keyword to specify that the port be applied to both TCP and UDP traffic.
	<i>port</i>	Number of the port.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to set TCP packets in a protocol port to be hardware switched:

```
Console> (enable) clear mls exclude protocol tcp 25
TCP packets with protocol port 25 will be MLS switched.
Console> (enable)
```

Related Commands **show mls exclude protocol**
set mls exclude protocol

clear mls multicast statistics

Use the **clear mls multicast statistics** command to remove MLS multicast statistical information from the MSFC.

clear mls multicast statistics [*mod*]

Syntax Description	<i>mod</i> (Optional) Number of the MSFC; valid values are 15 and 16.
Defaults	This command has no default setting.
Command Types	Switch command.
Command Modes	Privileged.
Usage Guidelines	<p>If you enter the clear mls multicast statistics command on a Catalyst 6000 family switch without MLS, this warning message is displayed:</p> <pre>MLS Multicast is not supported on feature card.</pre> <p>If you place the MFSC on a supervisor engine installed in slot 1, then the MFSC is recognized as module 15. If you install the supervisor engine in slot 2, the MFSC is recognized as module 16.</p>
Examples	<p>This example shows how to clear MLS multicast statistics:</p> <pre>Console> (enable) clear mls multicast statistics All statistics for the MLS routers in include list are cleared. Console> (enable)</pre>
Related Commands	show mls multicast

clear mls nde flow

Use the **clear mls nde flow** command to reset the NDE filters in the Catalyst 6000 family switches.

clear mls nde flow

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines Clearing both exclusion and inclusion filters results in exporting of all flows.

Examples This example shows how to clear the NDE exclusion and inclusion filters and export all flows:

```
Console> (enable) clear mls nde flow  
Netflow data export filter cleared.  
Console> (enable)
```

Related Commands **show mls exclude protocol**
set mls nde

clear module password

Use the **clear module password** command to clear the password set by the **password** *[username]* NAM command.

clear module password *mod*

Syntax Description	<i>mod</i>	Number of the NAM.
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Defaults	This command has no default setting.
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Command Types	Switch command.
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Command Modes	Privileged.
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Usage Guidelines	<p>This command is supported by the NAM only.</p> <p>The password <i>[username]</i> command is a NAM command and not a supervisor engine console command.</p> <p>A message is displayed when the password is successfully cleared. See the “Examples” section for an example of the message.</p>
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Examples	This example shows how to clear the password from the NAM:
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```

Console> (enable) clear module password 6
Module 6 password cleared.
Console> (enable) 2000 Apr 07 11:03:06 %SYS-5-MOD_PASSWDCLR:Module 6 password cl
eared from telnet/10.6.1.10/tester
Console> (enable)

```

Related Commands	password
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clear multicast router

Use the **clear multicast router** command to clear manually configured multicast router ports from the multicast router port list.

```
clear multicast router {mod/port | all}
```

Syntax Description	<i>mod/port</i>	Number of the module and the port on the module.
	all	Keyword to specify all multicast router ports to be cleared.

Defaults The default configuration has no multicast router ports configured.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear multicast router port 1 on module 3:

```
Console> (enable) clear multicast router 3/1  
Port 3/1 cleared from multicast router port list.  
Console> (enable)
```

Related Commands

- set multicast router**
- show multicast router**

clear ntp server

Use the **clear ntp server** command to remove one or more servers from the NTP server table.

```
clear ntp server {ip_addr | all}
```

Syntax Description		
	<i>ip_addr</i>	IP address of the server to remove from the server table.
	all	Keyword to specify all server addresses in the server table to be removed.

Defaults The default configuration has no NTP servers configured.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to remove a specific NTP server from the server table:

```
Console> (enable) clear ntp server 172.20.22.191
NTP server 172.20.22.191 removed.
Console> (enable)
```

This example shows how to remove all NTP servers from the server table:

```
Console> (enable) clear ntp server all
All NTP servers cleared.
Console> (enable)
```

Related Commands **show ntp**

clear port broadcast

Use the **clear port broadcast** command to disable broadcast/multicast suppression on one or more ports.

clear port broadcast *mod/port*

Syntax Description	<i>mod/port</i> Number of the module and the port on the module.
Defaults	The default configuration has broadcast/multicast suppression cleared (that is, unlimited broadcast/multicast traffic allowed).
Command Types	Switch command.
Command Modes	Privileged.
Examples	This example shows how to disable broadcast/multicast suppression: <pre>Console> (enable) clear port broadcast 2/1 Broadcast traffic unlimited on ports 2/1. Console> (enable)</pre>
Related Commands	set port broadcast show port broadcast

clear port cops

Use the **clear port cops** command set to clear port roles.

```
clear port cops mod/port roles role1 [role2]...
```

```
clear port cops mod/port all-roles
```

Syntax Description	
<i>mod/port</i>	Number of the module and the port on the module.
roles <i>role#</i>	Keyword and variable to specify the roles to clear.
all-roles	Keyword to clear all roles.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines The **clear port cops** command detaches the roles from the port only; it does not remove them from the global table.

Examples This example shows how to remove specific roles from a port:

```
Console> (enable) clear port cops 3/1 roles backbone_port main_port
Roles cleared for port(s) 3/1-4.
Console> (enable)
```

This example shows how to remove all roles from a port:

```
Console> (enable) clear port cops 3/1 all-roles
All roles cleared for port 3/1-4.
Console> (enable)
```

Related Commands

- set port cops**
- show port cops**

clear port qos cos

Use the **clear port qos cos** command to return the values set by the **set port qos cos** command to the factory-set default values for all specified ports.

clear port qos *mod/ports..* **cos**

Syntax Description	<i>mod/ports..</i> Number of the module and ports on the module.
Defaults	The default CoS for a port is 0.
Command Types	Switch command.
Command Modes	Privileged.
Examples	<p>This example shows how to return the values set by the set port qos cos command to the factory-set default values for module 2, port 1:</p> <pre>Console> (enable) clear port qos 2/1 cos Port 2/1 qos cos setting cleared. Console> (enable)</pre>
Related Commands	set port qos cos show port qos

clear port security

Use the **clear port security** command to clear all MAC addresses or a specific MAC address from the list of secure MAC addresses on a port.

```
clear port security modlport {mac_addr | all}
```

Syntax Description	
<i>modlport</i>	Number of the module and the port on the module.
<i>mac_addr</i>	MAC address to be deleted.
all	Keyword to remove all MAC addresses.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to remove a specific MAC address from a port's list of secure addresses:

```
Console> (enable) clear port security 4/1 00-11-22-33-44-55
00-11-22-33-44-55 cleared from secure address list list for port 4/1.
Console> (enable)
```

Related Commands

- set port security**
- show port security**

clear pvlan mapping

Use the **clear pvlan mapping** command set to delete a private VLAN mapping.

```
clear pvlan mapping {primary_vlan} {isolated_vlan | community_vlan} {mod/port}
```

```
clear pvlan mapping {mod/port}
```

Syntax Description	
<i>primary_vlan</i>	Number of the primary VLAN.
<i>isolated_vlan</i>	Number of the isolated VLAN.
<i>community_vlan</i>	Number of the community VLAN.
<i>mod/port</i>	Number of the module and promiscuous port.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you do not specify the mapping to clear, all the mappings of the specified promiscuous ports are cleared.

Examples This example shows how to clear the mapping of VLAN 902 to 901, previously set on ports 3/2-5:

```
Console> (enable) clear pvlan mapping 901 902 3/2-5
Successfully cleared mapping between 901 and 902 on 3/2-5
Console> (enable)
```

Related Commands

- set vlan**
- show vlan**
- set pvlan**
- set pvlan mapping**
- clear vlan**
- clear config pvlan**
- show pvlan**
- show pvlan mapping**

clear qos acl

Use the **clear qos acl** command set to remove various ACL configurations.

```
clear qos acl acl_name [editbuffer_index]
```

```
clear qos acl default-action {ip | ipx | mac | all}
```

```
clear qos acl map {acl_name} {mod/port | vlan}
```

```
clear qos acl map {acl_name | mod/port | vlan | all}
```

Syntax Description

<i>acl_name</i>	Unique name that identifies the list to which the entry belongs.
<i>editbuffer_index</i>	(Optional) ACE position in the ACL.
default-action	Keyword to remove default actions.
ip	Keyword to clear IP ACE default actions.
ipx	Keyword to clear IPX ACE default actions.
mac	Keyword to clear MAC-layer ACE default actions.
all	Keyword to clear all ACE default actions.
map	Keyword to detach an ACL.
<i>mod/port</i>	Number of the module and the port on the module.
<i>vlan</i>	Number of the VLAN.
all	Keyword to detach an ACL from all interfaces.

Defaults

The default is no ACLs are attached.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

Changes you make by entering this command are saved to NVRAM and hardware only after you enter the **commit** command.

Use the **show qos acl editbuffer** command to display the ACL list.

Examples

This example shows how to detach an ACL from all interfaces:

```
Console> (enable) clear qos acl map my_acl all
Hardware programming in progress...
ACL my_acl is detached from all interfaces.
Console> (enable)
```

This example shows how to detach an ACL from a specific VLAN:

```
Console> (enable) clear qos acl map ftp_acl 4  
Hardware programming in progress...  
ACL ftp_acl is detached from vlan 4.  
Console> (enable)
```

This example shows how to delete a specific ACE:

```
Console> (enable) clear qos acl my_ip_acl 1  
ACL my_ip_acl ACE# 1 is deleted.  
my_ip_acl editbuffer modified. Use 'commit' command to apply changes.  
Console> (enable)
```

This example shows how to delete an ACL:

```
Console> (enable) clear qos acl my_ip_acl  
ACL my_ip_acl is deleted.  
my_ip_acl editbuffer modified. Use 'commit' command to apply changes.  
Console> (enable)
```

This example shows how to detach a specific ACL from all interfaces:

```
Console> (enable) clear qos acl map my_acl all  
Hardware programming in progress...  
ACL my_acl is detached from all interfaces.  
Console> (enable)
```

This example shows how to detach a specific ACL from a specific VLAN:

```
Console> (enable) clear qos acl map ftp_acl 4  
Hardware programming in progress...  
ACL ftp_acl is detached from vlan 4.  
Console> (enable)
```

This example shows how to delete IP ACE default actions configured by the **set qos acl default-action** command:

```
Console> (enable) clear qos acl default-action ip  
Hardware programming in progress...  
QoS default-action for IP ACL is restored to default setting.  
Console> (enable)
```

Related Commands

show qos acl editbuffer
commit
rollback

clear qos config

Use the **clear qos config** command to return the values set by the **set qos** command to the factory-set default values and delete the CoS assigned to MAC addresses.

clear qos config

Syntax Description This command has no arguments or keywords.

Defaults The default is QoS is disabled.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to return the values set by the **set qos** command to the factory-set default values and delete the CoS assigned to MAC addresses:

```
Console> (enable) clear qos config
This command will disable QoS and take values back to factory default.
Do you want to continue (y/n) [n]? y
QoS config cleared.
Console> (enable)
```

Related Commands **set qos**
show qos info

clear qos cos-dscp-map

Use the **clear qos cos-dscp-map** command to clear CoS-to-DSCP mapping set by the **set qos cos-dscp-map** command and return to the default setting.

clear qos cos-dscp-map

Syntax Description This command has no arguments or keywords.

Defaults The default CoS-to-DSCP configuration is listed in Table 2-1.

Table 2-1 CoS-to-DSCP Default Mapping

CoS	0	1	2	3	4	5	6	7
DSCP	0	8	16	24	32	40	48	56

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the CoS-to-DSCP mapping table:

```
Console> (enable) clear qos cos-dscp-map
QoS cos-dscp-map setting restored to default.
Console> (enable)
```

Related Commands **set qos cos-dscp-map**
show qos maps

clear qos dscp-cos-map

Use the **clear qos dscp-cos-map** command to clear DSCP-to-CoS mapping set by the **set qos dscp-cos-map** command and return to the default setting.

clear qos dscp-cos-map

Syntax Description This command has no arguments or keywords.

Defaults The default DSCP-to-CoS configuration is listed in Table 2-2.

Table 2-2 DSCP-to-CoS Default Mapping

DSCP	0 to 7	8 to 15	16 to 23	24 to 31	32 to 39	40 to 47	48 to 55	56 to 63
CoS	0	1	2	3	4	5	6	7

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the DSCP-to-CoS mapping table:

```
Console> (enable) clear qos dscp-cos-map
QoS dscp-cos-map setting restored to default.
Console> (enable)
```

Related Commands **set qos dscp-cos-map**
show qos maps

clear qos ipprec-dscp-map

Use the **clear qos ipprec-dscp-map** command to reset the mapping set by the **set qos ipprec-dscp-map** command to the default setting.

clear qos ipprec-dscp-map

Syntax Description This command has no arguments or keywords.

Defaults The default IP precedence-to-DSCP configuration is listed in Table 2-3.

Table 2-3 IP Precedence-to-DSCP Default Mapping

IPPREC	0	1	2	3	4	5	6	7
DSCP	0	8	16	24	32	40	48	56

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the IP precedence-to-DSCP mapping table:

```
Console> (enable) clear qos ipprec-dscp-map
QoS ipprec-dscp-map setting restored to default.
Console> (enable)
```

Related Commands **set qos ipprec-dscp-map**
show qos maps

clear qos mac-cos

Use the **clear qos mac-cos** command to clear the values set by the **set qos mac-cos** command.

```
clear qos mac-cos dest_mac [vlan]
```

```
clear qos mac-cos all
```

Syntax Description	
<i>dest_mac</i>	Number of the destination host MAC address.
<i>vlan</i>	(Optional) Number of the VLAN.
all	Keyword to clear CoS values for all MAC/VLAN pairs.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If the *vlan* number is not entered, all entries for the MAC address are cleared.

Examples This example shows how to clear the values set by the **set qos mac-cos** command and return to the factory-set default values for all MAC address and VLAN pairs:

```
Console> (enable) clear qos mac-cos all
All CoS to Mac/Vlan entries are cleared.
Console> (enable)
```

This example shows how to clear the values set by the **set qos mac-cos** command and return to the factory-set default values for a specific MAC address:

```
Console> (enable) clear qos mac-cos 1-2-3-4-5-6 1
CoS to Mac/Vlan entry for mac 01-02-03-04-05-06 vlan 1 is cleared.
Console> (enable)
```

Related Commands

- set qos mac-cos**
- show qos mac-cos**

clear qos map

Use the **clear qos map** command to return the values to the factory-set default values.

```
clear qos map port_type tx | rx
```

Syntax Description

<i>port_type</i>	Port type; valid values are 2q2t and 1p2q2t for transmit and 1p1q4t for receive.
tx rx	Keyword to specify the transmit or receive queue.

Defaults

The default mappings for all ports are shown in Table 2-4 and Table 2-5 and applies to all ports.

Table 2-4 Default Transmit Queue and Drop Threshold Mapping of CoS Values

Port Type	Drop Threshold Type	Low Delay (Queue 2)	High Delay (Queue 1)	Priority Delay (Queue 3)
2q2t	Low drop (Threshold 2)	7, 6	3, 2	N/A
	High drop (Threshold 1)	5, 4	1, 0	N/A
1p2q2t	Low drop (Threshold 2)	7	3, 2	N/A
	High drop (Threshold 1)	5, 4	1, 0	5

Table 2-5 Default Receive Drop Threshold Mapping of CoS Values

Port Type	Threshold 1 (highest drop possibility)	Threshold 2	Threshold 3	Threshold 4 (lowest drop possibility)	Priority Queue
1q4t	0, 1	2, 3	4, 5	6, 7	N/A
1p1q4t	0, 1	2, 3	4, 5	7	6

Command Types

Switch command.

Command Modes

Privileged.

Examples

This example shows how to return the values to the factory-set default values:

```
Console> (enable) clear qos map 2q2t
This command will take map values back to factory default.
QoS map cleared.
Console> (enable)
```

■ clear qos map

Related Commands

set qos map
show qos maps

clear qos policed-dscp-map

Use the **clear qos policed-dscp-map** to reset the policer-to-dscp mapping table to the defaults.

clear qos policed-dscp-map

Syntax Description	This command has no arguments or keywords.
Defaults	The default is the identity function; for example, DSCP 63 to policed DSCP 63 and DSCP 62 to policed DSCP 62.
Command Types	Switch command.
Command Modes	Privileged.
Examples	<p>This example shows how to reset the mapping to the defaults:</p> <pre>Console> (enable) clear qos policed-dscp-map QoS policed-dscp-map setting restored to default. Console> (enable)</pre>
Related Commands	<pre>set qos policed-dscp-map show qos maps</pre>

clear qos policer

Use the **clear qos policer** command set to clear policing rules from NVRAM.

```
clear qos policer microflow microflow_name | all
```

```
clear qos policer aggregate aggregate_name | all
```

Syntax Description		
	microflow <i>microflow_name</i>	Keyword and variable to specify the name of the microflow policing rule.
	aggregate <i>aggregate_name</i>	Keyword and variable to specify the name of the aggregate policing rule.
	all	Keyword to clear all policing rules.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines Policing is the process by which the switch limits the bandwidth consumed by a flow of traffic. Policing can mark or drop traffic.

You cannot clear an entry that is currently being used in an ACE. You must first detach the ACEs from the interface.

You cannot use the **all** keyword if a microflow rate limit is currently being used in an ACE.

Examples This example shows how to clear a specific microflow policing rule:

```
Console> (enable) clear qos policer microflow my_micro  
my_micro QoS microflow policer cleared.  
Console> (enable)
```

This example shows how to clear all microflow policing rules:

```
Console> (enable) clear qos policer microflow all  
All QoS microflow policers cleared.  
Console> (enable)
```

This example shows how to clear a specific aggregate policing rule:

```
Console> (enable) clear qos policer microflow my_micro  
my_micro QoS microflow policer cleared.  
Console> (enable)
```

This example shows how to clear all aggregate policing rules:

```
Console> (enable) clear qos policer aggregate all  
All QoS aggregate policer cleared.  
Console> (enable)
```

Related Commands

set qos policer
show qos policer

clear qos statistics

Use the **clear qos statistics** command to clear QoS statistic counters.

clear qos statistics

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the QoS statistic counters:

```
Console> (enable) clear qos statistics
QoS statistical cleared.
Console> (enable)
```

Related Commands **show qos statistics**

clear radius

Use the **clear radius** command set to clear one or all of the RADIUS servers from the RADIUS server table.

clear radius server all

clear radius server *ipaddr*

clear radius key

Syntax Description		
server	Keyword to specify RADIUS servers.	
all	Keyword to specify all RADIUS servers.	
<i>ipaddr</i>	Number of the IP address or IP alias.	
key	Keyword to specify the RADIUS shared key.	

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines *ipaddr* is an IP alias or an IP address in dot notation; for example, 101.102.103.104.

Examples This example shows how to clear the RADIUS key:

```
Console> (enable) clear radius key
Radius server key cleared.
Console> (enable)
```

This example shows how to clear a specific RADIUS server from the RADIUS server table:

```
Console> (enable) clear radius server 128.56.45.32
128.56.45.32 cleared from radius server table.
Console> (enable)
```

Related Commands

- set radius key**
- set radius server**
- show radius**

clear rgmp statistics

Use the **clear rgmp statistics** command to clear RGMP statistics information for all VLANs.

clear rgmp statistics

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the RGMP statistics on the switch:

```
Console> (enable) clear rgmp statistics
RGMP statistics cleared.
Console> (enable)
```

Related Commands **show rgmp statistics**
set rgmp

clear security acl

Use the **clear security acl** command set to remove a specific ACE or all ACEs from an ACL and delete the ACLs from the edit buffer.

clear security acl all

clear security acl *acl_name*

clear security acl *acl_name* [*editbuffer_index*]

Syntax Description

all	Keyword to remove ACEs for all the ACLs.
<i>acl_name</i>	Name of the VACL whose ACEs are to be removed.
<i>editbuffer_index</i>	(Optional) Index number of the ACE in the ACL.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

Changes you make by entering this command are saved to NVRAM and hardware only after you enter the **commit** command.

Use the **show security acl** command to display the ACL list.

Examples

This example shows how to remove ACEs for all the ACLs:

```
Console> (enable) clear security acl all
All editbuffer modified. Use 'commit' command to apply changes.
Console> (enable)
```

This example shows how to remove a specific ACE from a specific ACL:

```
Console> (enable) clear security acl IPACL1 2
IPACL1 editbuffer modified. Use 'commit' command to apply changes.
Console> (enable)
```

Related Commands

commit
show security acl
rollback

clear security acl capture-ports

Use the **clear security acl capture-ports** command to remove a port from the capture port list.

```
clear security acl capture-ports {mod/ports...}
```

Syntax Description	<i>mod/ports...</i> Number of the module and the ports on the module.
---------------------------	---

Defaults	This command has no default setting.
-----------------	--------------------------------------

Command Types	Switch command.
----------------------	-----------------

Command Modes	Privileged.
----------------------	-------------

Usage Guidelines	<p>Configurations you make by entering this command are saved in NVRAM. This command <i>does not</i> require that you enter the commit command.</p> <p>If you have a given number of ports and a few are removed, the remaining ports continue to capture the traffic.</p>
-------------------------	---

Examples	This example shows how to remove entries from the capture port list:
-----------------	--

```
Console> (enable) clear security acl capture-ports 1/1,2/1
Successfully cleared the following ports:
1/1,2/1
Console> (enable)
```

Related Commands	show security acl capture-ports set security acl capture-ports
-------------------------	---

clear security acl map

Use the **clear security acl map** command set to remove VACL-to-VLAN mapping.

```
clear security acl map acl_name vlan
```

```
clear security acl map {acl_name | vlan | all}
```

Syntax Description		
	<i>acl_name</i>	Name of the VACL whose VLAN is to be deleted.
	<i>vlan</i>	Number of the VLAN whose mapping is to be deleted.
	all	Keyword to remove all VACL-to-VLAN mappings.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines Changes you make by entering this command are saved to NVRAM and do not require you to enter the **commit** command.

Use the **show security acl** command to display the ACL list.

Examples This example shows how to remove a VACL-to-VLAN mapping from a specific VLAN:

```
Console> (enable) clear security acl map ip1 3  
Map deletion in progress.
```

```
Successfully cleared mapping between ACL ip1 and VLAN 3.  
Console> (enable)
```

This example shows how to remove a specific VACL-to-VLAN mapping from all VLANs:

```
Console> (enable) clear security acl map ip1  
Map deletion in progress.
```

```
Successfully cleared mapping between ACL ip1 and VLAN 5.
```

```
Successfully cleared mapping between ACL ip1 and VLAN 8.  
Console> (enable)
```

This example shows how to remove all VACL-to-VLAN mappings from a specific VLAN:

```
Console> (enable) clear security acl map 5  
Map deletion in progress.
```

Successfully cleared mapping between ACL ipx1 and VLAN 5.

Successfully cleared mapping between ACL mac2 and VLAN 5.
Console> (enable)

This example shows how to remove all VACL-to-VLAN mappings from all VLANs:

```
Console> (enable) clear security acl map all  
Map deletion in progress.
```

Successfully cleared mapping between ACL ip2 and VLAN 12.

Successfully cleared mapping between ACL ipx1 and VLAN 12.

Successfully cleared mapping between ACL ipx1 and VLAN 45.

Successfully cleared mapping between ACL ip2 and VLAN 47.

Successfully cleared mapping between ACL ip3 and VLAN 56.
Console> (enable)

Related Commands

commit
show security acl
rollback

clear snmp access

Use the **clear snmp access** command set to remove the access rights of an SNMP group with a specific security model and security level.

```
clear snmp access [-hex] {groupname} {security-model {v1 | v2c}}
```

```
clear snmp access {security-model v3 {noauthentication | authentication | privacy}}
```

Syntax Description	
-hex	(Optional) Keyword to display the <i>groupname</i> as a hexadecimal format.
<i>groupname</i>	SNMP access table name.
security-model v1 v2c	Keywords to specify the security model v1 or v2c.
security-model v3	Keywords to specify security model v3.
noauthentication	Keyword to specify groups with security model type set to noauthentication.
authentication	Keyword to specify groups with security model type authentication protocol.
privacy	Keyword to specify groups with security model type privacy.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you use special characters for *groupname* (nonprintable delimiters for this parameter), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.

Examples This example shows how to clear SNMP access for a group:

```
Console> (enable) clear snmp access cisco-group security-model v3 authentication
Cleared snmp access cisco-group version v3 level authentication.
Console> (enable)
```

Related Commands

- set snmp access
- show snmp

clear snmp group

Use the **clear snmp group** command to remove the SNMP user from an SNMP group.

```
clear snmp group [-hex] {groupname} user [-hex] {username}
  {security-model {v1 | v2c | v3}}
```

Syntax Description	
-hex	(Optional) Keyword to display the <i>groupname</i> and <i>username</i> as a hexadecimal format.
<i>groupname</i>	Name of the SNMP group that defines an access control.
user	Keyword to specify the SNMP group user name.
<i>username</i>	Name of the SNMP user.
security model <i>v1</i> <i>v2c</i> <i>v3</i>	Keywords to specify security model v1, v2c, or v3.

Defaults This command has no default settings.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you use special characters for *groupname* or *username* (nonprintable delimiters for these parameters), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.

Examples This example shows how to remove an SNMP user from a group:

```
Console> (enable) clear snmp group cisco-group user joe security-model v3
Cleared snmp group cisco-group user joe version v3.
Console> (enable)
```

Related Commands

- set snmp group**
- show snmp group**

clear snmp notify

Use the **clear snmp notify** command to clear the SNMP notifyname in the snmpNotifyTable.

```
clear snmp notify [-hex] {notifyname}
```

Syntax Description	-hex (Optional) Keyword to display the <i>notifyname</i> as a hexadecimal format.
	<i>notifyname</i> Identifier to index the snmpNotifyTable.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you use special characters for *notifyname* (nonprintable delimiters for this parameter), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.

Examples This example shows how to clear an SNMP notifyname from the snmpNotifyTable:

```
Console> (enable) clear snmp notify joe  
Cleared SNMP notify table joe.  
Console> (enable)
```

Related Commands

- set snmp notify**
- show snmp notify**

clear snmp targetaddr

Use the **clear snmp targetaddr** command to clear the SNMP target address entry in the TargetAddressTable.

```
clear snmp targetaddr [-hex] {addrname}
```

Syntax Description

-hex	(Optional) Keyword to display the <i>addrname</i> as a hexadecimal format.
<i>addrname</i>	Name of the target agent; the maximum length is 32 bytes.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

If you use special characters for *addrname* (nonprintable delimiters for this parameter), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.

Examples

This example shows how to clear an SNMP target address entry in the snmpTargetAddressTable:

```
Console> (enable) clear snmp targetaddr joe
Cleared SNMP targetaddr joe.
Console> (enable)
```

Related Commands

set snmp targetaddr
show snmp targetaddr

clear snmp targetparams

Use the **clear snmp targetparams** command to clear the SNMP target parameters used in the snmpTargetParamsTable.

```
clear snmp targetparams [-hex] {paramsname}
```

Syntax Description	<p>-hex (Optional) Keyword to display the <i>paramsname</i> as a hexadecimal format.</p> <p><i>paramsname</i> Name of the target parameter in the snmpTargetParamsTable; maximum length is 32 bytes.</p>
Defaults	This command has no default setting.
Command Types	Switch command.
Command Modes	Privileged.
Usage Guidelines	If you use special characters for <i>paramsname</i> (nonprintable delimiters for this parameter), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.
Examples	<p>This example shows how to remove the SNMP target parameters:</p> <pre>Console> (enable) clear snmp targetparams joe Cleared SNMP targetparams table joe. Console> (enable)</pre>
Related Commands	<pre>set snmp targetparams show snmp targetparams</pre>

clear snmp trap

Use the **clear snmp trap** command to clear an entry from the SNMP trap receiver table.

clear snmp trap {*rcvr_addr*} [**all**]

Syntax Description	
<i>rcvr_addr</i>	IP address or IP alias of the trap receiver (the SNMP management station) to clear.
all	(Optional) Keyword to specify every entry in the SNMP trap receiver table.

Defaults The default configuration has no entries in the SNMP trap receiver table.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear an entry from the SNMP trap receiver table:

```
Console> (enable) clear snmp trap 192.122.173.82
SNMP trap receiver deleted.
Console> (enable)
```

Related Commands

- set snmp trap**
- show port counters**
- test snmp trap**

clear snmp user

Use the **clear snmp user** command to remove an SNMP user.

```
clear snmp user [-hex] {username} [remote {engineid}]
```

Syntax Description		
-hex	(Optional) Keyword to display the <i>username</i> as a hexadecimal format.	
<i>username</i>	Name of the user on the host that connects to the agent.	
remote <i>engineid</i>	(Optional) Keyword and variable to specify the <i>username</i> on a remote SNMP engine.	

Defaults If a remote engine ID is not provided, the default local SNMP engine ID is used.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you use special characters for *username* (nonprintable delimiters for this parameter), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.

Examples This example shows how to remove a user from an SNMP group:

```
Console> (enable) clear snmp user joe
Cleared SNMP user joe.
Console> (enable)
```

This example shows how to remove a user on a remote SNMP engine:

```
Console> (enable) clear snmp user joe remote 00:00:00:09:00:d0:00:4c:18:00
Cleared SNMP user.
Console> (enable)
```

Related Commands

- set snmp user**
- show snmp user**

clear snmp view

Use the **clear snmp view** command to remove the MIB view entry from the vacmViewTreeFamilyTable.

```
clear snmp view [-hex] {viewname} {subtree}
```

Syntax Description	
-hex	(Optional) Keyword to display the <i>viewname</i> as a hexadecimal format.
<i>viewname</i>	Name of a MIB view.
<i>subtree</i>	Name of the subtree.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you use special characters for *viewname* (nonprintable delimiters for this parameter), you must use a hexadecimal keyword, which is one or two hexadecimal digits separated by a colon (:); for example, 00:ab:34.

A MIB subtree used with a mask defines a view subtree that can be in OID format or a text name mapped to a valid OID.

Examples This example shows how to clear the SNMP MIB viewname:

```
Console> (enable) clear snmp view myview 1.1.3
Cleared snmp view myview with subtree 1.1.3
Console> (enable)
```

Related Commands

- set snmp view**
- show snmp view**

clear spantree portvlancost

Use the **clear spantree portvlancost** command to restore the default path cost to a VLAN on a port.

```
clear spantree portvlancost mod/port [vlan_list]
```

Syntax Description	<i>mod/port</i>	Number of the module and the port on the module.
	<i>vlan_list</i>	(Optional) List of VLANs to clear. If not specified, all VLANs are cleared.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples These examples show how to restore the default path cost to a VLAN on a port:

```
Console> (enable) clear spantree portvlancost 2/10 1-10  
Port 2/10 VLANs 11-21 have path cost 6  
Port 2/10 VLANs 1-10,22-1000 have path cost 10.  
Console> (enable)
```

```
Console> (enable) clear spantree portvlancost 2/10  
Port 2/10 VLANs 1-1000 have path cost 10.  
Console> (enable)
```

Related Commands

- set spantree portfast**
- show spantree statistics**

clear spantree portvlanpri

Use the **clear spantree portvlanpri** command to reset the spanning tree port VLAN priority.

```
clear spantree portvlanpri mod/port [vlangs]
```

Syntax Description	
<i>mod/port</i>	Number of the module and the port on the module.
<i>vlangs</i>	(Optional) One or more VLANs.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to reset the spanning tree port VLAN priority:

```
Console> (enable) clear spantree portvlanpri 1/2 23-40
Port 1/2 vlans 3,6-20,23-1000 using portpri 32
Port 1/2 vlans 1-2,4-5,21-22 using portpri 30
Console> (enable)
```

Related Commands **set spantree portvlanpri**
show spantree

clear spantree root

Use the **clear spantree root** command to restore the switch priority and Spanning Tree Protocol parameters to the factory-set default values.

```
clear spantree root [vlan_list]
```

Syntax Description	<i>vlan_list</i> (Optional) List of the VLAN numbers to clear.
Defaults	The default configuration has the switch priority set to 32768.
Command Types	Switch command.
Command Modes	Privileged.
Examples	<p>This example shows how to clear the spantree root on a range of VLANs:</p> <pre>Console> (enable) clear spantree root 1-20 VLANs 1-20 bridge priority set to 32678. VLANs 1-20 bridge hello time set to 2 seconds. VLANs 1-20 bridge max aging time set to 20 seconds. VLANs 1-20 bridge forward delay set to 15 seconds.</pre> <p>This example shows how to clear the spantree root on two specific VLANs:</p> <pre>Console> (enable) clear spantree root 22,24 VLANs 22,24 bridge priority set to 32678. VLANs 22,24 bridge hello time set to 2 seconds. VLANs 22,24 bridge max aging time set to 20 seconds. VLANs 22,24 bridge forward delay set to 15 seconds. Console> (enable)</pre>
Related Commands	set spantree root show spantree

clear spantree statistics

Use the **clear spantree statistics** command to clear the spanning tree statistics.

```
clear spantree statistics [vlan_list]
```

Syntax Description	<i>vlan_list</i> (Optional) List of the VLAN numbers to clear.
Defaults	This command has no default setting.
Command Types	Switch command.
Command Modes	Privileged.
Examples	<p>This example shows how to clear the spanning tree statistics for VLAN 1:</p> <pre>Console> (enable) clear spantree statistics 1 Cleared all VLAN counters for VLAN 1 Statistics cleared for vlans 1 Console> (enable)</pre>
Related Commands	show spantree statistics

clear spantree uplinkfast

Use the **clear spantree uplinkfast** command to turn off the UplinkFast feature and to return the switch priority and port costs to the factory-set default values.

clear spantree uplinkfast

Syntax Description

This command has no arguments or keywords.

Defaults

This command has no default setting.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

This command could cause load balancing on the switch to be lost in some cases.

Examples

This example shows how to turn off the UplinkFast feature and to return the switch priority to the factory-set default values:

```
Console> (enable) clear spantree uplinkfast
This command will cause all portcosts, portvlancosts, and the
bridge priority on all vlans to be set to default.
Do you want to continue (y/n) [n]? y
VLANs 1-1005 bridge priority set to 32768.
The port cost of all bridge ports set to default value.
The portvlancost of all bridge ports set to default value.
uplinkfast disabled for bridge.
Console> (enable)
```

Related Commands

set spantree uplinkfast
show spantree uplinkfast

clear tacacs key

Use the **clear tacacs key** command to remove the key setting used for TACACS+ authentication and encryption.

clear tacacs key

Syntax Description This command has no arguments or keywords.

Defaults The default key value is null.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear the key setting used for authentication and encryption:

```
Console> (enable) clear tacacs key  
TACACS server key cleared.  
Console> (enable)
```

Related Commands **set tacacs key**
show tacacs

clear tacacs server

Use the **clear tacacs server** command to remove a host from the list of TACACS+ servers.

```
clear tacacs server ip_addr
```

Syntax Description	<i>ip_addr</i>	IP address of the server to be removed from the list of TACACS+ servers.
---------------------------	----------------	--

Defaults	This command has no default setting.
-----------------	--------------------------------------

Command Types	Switch command.
----------------------	-----------------

Command Modes	Privileged.
----------------------	-------------

Examples	This example shows how to remove a server from the list of TACACS+ servers:
-----------------	---

```
Console> (enable) clear tacacs server 170.1.2.20  
170.1.2.20 cleared from TACACS table  
Console> (enable)
```

Related Commands	show tacacs
-------------------------	--------------------

clear timezone

Use the **clear timezone** command to return the time zone to its default, UTC.

clear timezone

Syntax Description This command has no arguments or keywords.

Defaults The default time zone is UTC.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines The **clear timezone** command functions only when NTP is running. If you set the time manually and NTP is disengaged, the **clear timezone** command has no effect.

Examples This example shows how to clear the time zone:

```
Console> (enable) clear timezone
Timezone name and offset cleared.
Console> (enable)
```

Related Commands **set timezone**

clear top

Use the **clear top** command to stop the TopN process.

```
clear top {all | report_num}
```

Syntax Description	<p>all Keyword to stop all nonpending TopN results.</p> <p>report_num TopN report number to kill; valid values are from 1 to 5.</p>
Defaults	This command has no default setting.
Command Types	Switch command.
Command Modes	Privileged.
Usage Guidelines	<p>The clear top all command will not kill any pending TopN reports. Only the reports with a <i>done</i> status are killed.</p> <p>You can terminate TopN processes without the background option (use the show top background command to find out if the background option is used) by pressing Ctrl-C in the same Telnet/console session, or by entering the clear top [report_num] command from a separate Telnet/console session. The prompt is not printed before the TopN report is completely displayed. Other commands will be blocked until the report has been displayed.</p>
Examples	<p>This example shows how to stop the TopN 1 process from a console session:</p> <pre>Console> (enable) clear top 1 10/29/1998,12:05:38:MGMT-5: TopN report 1 killed by Console//. Console> (enable)</pre> <p>This example shows how to stop the TopN 4 process from a Telnet session:</p> <pre>Console> (enable) clear top 4 10/29/1998,12:06:00:MGMT-5: TopN report 4 killed by telnet/172.22.34.2/. Console> (enable)</pre>
Related Commands	<p>show top</p> <p>show top report</p>

clear trunk

Use the **clear trunk** command to restore a trunk port to its default trunk type and mode or to clear specific VLANs from the allowed VLAN list for a trunk port.

clear trunk *mod/port* [*vlan*s]

Syntax Description

<i>mod/port</i>	Number of the module and the port on the module.
<i>vlan</i> s	(Optional) Number of the VLAN to remove from the allowed VLAN list; valid values are from 1 to 1000 and 1025 to 4094.

Defaults

For all ports except MSM ports, the default is **auto** negotiate. For MSM ports, the default is **off** negotiate mode.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

If you specify VLANs, those VLANs are removed from the list of VLANs allowed on the trunk. Default VLANs cannot be cleared on the trunk.

Traffic for the removed VLANs are not forwarded over a trunk port. To add VLANs that you have removed, use the **set trunk** *mod/port* *vlan*s command.

Examples

This example shows how to clear VLANs 200 through 500 from the trunk port on port 2 of module 1:

```
Console> (enable) clear trunk 1/2 200-500
Removing Vlan(s) 200-500 from allowed list.
Port 1/2 allowed vlans modified to 1-199,501-1000.
Console> (enable)
```

This example shows how to clear the trunk on port 2 of module 1:

```
Console> (enable) clear trunk 1/2
Port(s) 1/2 trunk mode set to auto.
Port(s) 1/2 trunk type set to isl.
Console> (enable)
```

Related Commands

set trunk
show trunk

clear vlan

Use the **clear vlan** command to delete an existing VLAN from a management domain.

clear vlan *vlan_num*

Syntax Description	<i>vlan_num</i> Number of the VLAN; valid values are from 2 to 1000.
---------------------------	--

Defaults	This command has no default setting.
-----------------	--------------------------------------

Command Types	Switch command.
----------------------	-----------------

Command Modes	Privileged.
----------------------	-------------

Usage Guidelines	<p>Follow these guidelines for deleting VLANs:</p> <ul style="list-style-type: none"> • When you delete a normal-range Ethernet VLAN in VTP server mode, the VLAN is removed from all switches in the same VTP domain. • When you delete a normal-range VLAN in VTP transparent mode, the VLAN is deleted only on the current switch. • To delete a Token Ring TrBRF VLAN, you must first reassign its child TrCRFs to another parent TrBRF, or delete the child TrCRFs.
-------------------------	---



Caution

When you clear a VLAN, all ports assigned to that VLAN become inactive. However, the VLAN port assignments are retained until you move the ports to another VLAN. If the cleared VLAN is reactivated, all ports still configured on that VLAN are also reactivated. A warning is displayed if you clear a VLAN that exists in the mapping table.

When you clear a private VLAN (primary, isolated, or community), the ports are set to inactive and are not assigned to any VLAN. The private VLAN mappings for the selected VLAN are also cleared. ACL to VLAN mappings are also deleted.

When you clear a private VLAN (primary, isolated, or community), the ports are set to inactive and are not assigned to any VLAN. The private VLAN mappings for the selected VLAN are also cleared.

Examples	This example shows how to clear existing VLAN 4 from a management domain:
-----------------	---

```
Console> (enable) clear vlan 4
This command will de-activate all ports on vlan 4
in the entire management domain
Do you want to continue(y/n) [n]? y
VTP: VLAN 4 deletion successful
Console> (enable)
```

■ clear vlan

Related Commands set vlan
 show vlan

clear vlan mapping

Use the **clear vlan mapping** command to delete existing 802.1Q VLAN to ISL VLAN-mapped pairs.

```
clear vlan mapping dot1q Iq_vlan_num | all
```

Syntax Description	dot1q	Keyword to specify the VLAN type as 802.1Q.
	<i>Iq_vlan_num</i>	Number identifying the 802.1Q VLAN.
	all	Keyword to clear the mapping table of all entries.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines When you clear a VLAN, all ports assigned to that VLAN become inactive. However, the VLAN port assignments are retained until you move the ports to another VLAN. If the cleared VLAN is reactivated, all ports still configured on that VLAN are also reactivated.

Examples This example shows how to clear an existing mapped VLAN (VLAN 4) from the mapping table:

```
Console> (enable) clear vlan mapping dot1q 444
Vlan Mapping 444 Deleted.
Console> (enable)
```

This example shows how to clear all mapped VLANs from the mapping table:

```
Console> (enable) clear vlan mapping dot1q all
All Vlan Mapping Deleted.
Console> (enable)
```

Related Commands

- set vlan**
- show vlan**

clear voicevlan

Use the **clear voicevlan** command to put all ports back to the 802.1p default values.

clear voicevlan {*mod/port* | *vlan*}

Syntax Description	<i>mod/port</i>	Number of the module and the port on the module.
	<i>vlan</i>	Number of the auxiliary VLAN; valid values are from 1 to 4094.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Usage Guidelines If you specify the *mod* or *port*, only those specific modules or ports are changed to the 802.1p default value. The internal value is 0.

Examples This example shows how to return all ports to the 802.1p default values for a specific auxiliary VLAN:

```
Console> (enable) clear voicevlan 2993
Voicevlan 2993 cleared. All ports belong to it configured for 802.1p.
Console> (enable)
```

This example shows how to return all ports to the 802.1p default values for a specific module and port:

```
Console> (enable) clear voicevlan 3/4
Port 3/4 cleared from voicevlan 2993 and configured for 802.1p
Console> (enable)
```

This example shows how to return all ports to the 802.1p default values for a specific module and range of ports:

```
Console> (enable) clear voicevlan 3/6-9
Ports 3/6-9 cleared from voice vlan 2993 and configured for 802.1p.
Console> (enable)
```

clear vtp pruning

Use the **clear vtp pruning** command to specify which VLANs in the VTP domain are ineligible for pruning.

```
clear vtp pruning vlan_num
```

Syntax Description

vlan_num Number of VLANs to make pruning ineligible.

Defaults

The default is VLANs 2 through 1000 are eligible for pruning.

Command Types

Switch command.

Command Modes

Privileged.

Usage Guidelines

VTP pruning causes information about each pruning-eligible VLAN to be removed from VTP updates if no stations belong to that VLAN out a particular switch port. Use the **set vtp** command to enable VTP pruning.

By default, VLANs 2 through 1000 are pruning eligible. Use the **clear vtp pruning** command to make VLANs pruning ineligible.

If VLANs are pruning ineligible, use the **set vtp pruneeligible** command to make the VLANs pruning eligible again.

Examples

This example shows how to make VLANs 200 through 500 pruning ineligible:

```
Console> (enable) clear vtp pruning 200-500  
Vlans 1,200-500,1001-1005 will not be pruned on this device.  
VTP domain Company modified.  
Console> (enable)
```

Related Commands

set vtp
set vtp pruneeligible
show vtp domain

clear vtp statistics

Use the **clear vtp statistics** command to delete VTP statistics.

clear vtp statistics

Syntax Description This command has no arguments or keywords.

Defaults This command has no default setting.

Command Types Switch command.

Command Modes Privileged.

Examples This example shows how to clear VTP statistics:

```
Console> (enable) clear vtp statistics
vtp statistics cleared.
Console> (enable)
```

Related Commands **set vtp**
show vtp statistics