

Command Mode Overview

To Mode: **Switch>**

Privileged Top Mode: **Switch#**

Global Configuration Mode: **Switch(config)#**

Interface Configuration Mode: **Switch(config-if)#**

IP ACL Configuration Mode: **Switch(ACL-NAME)#**

Top Mode

| | |
|--------------------|---|
| Switch>? | Configuration prompt |
| enable | Modify enable password parameters |
| exit | Exit current mode and change to previous mode |
| help | Description of the interactive help system |
| ping | Send echo messages |
| quit | Exit current mode and down to previous mode |
| show | Show running system information |
| cls | Clear screen |

Privileged Top Mode

| | |
|----------------|---|
| Switch# | Privileged prompt |
| clear | Reset functions |
| clock | Manage the system clock |
| configure | Enter configuration mode |
| copy | Copy from one file to another |
| debug | Debugging functions |
| disable | Turn off privileged mode command |
| erase | Erase a filesystem |
| exit | Exit current mode and down to previous mode |
| help | Description of the interactive help system |
| ip | Global IP configuration subcommands |
| no | Negate a command or set its defaults |
| ping | Send echo messages |
| quit | Exit current mode and down to previous mode |
| reload | Halt and perform a cold restart |

| | |
|-------------|--|
| show | Show running system information |
| snmp-server | SNMP related functions |
| write | Write running configuration to memory, network, terminal |
| cls | Clear screen |

Global Configuration Mode

| | |
|------------------------|--|
| Switch(config)# | Configuration prompt |
| access-list | Add an access list entry |
| arp | Set static arp entry |
| banner | Define a login banner |
| boot | Modify system boot parameters |
| clock | Manage the system clock |
| define | Create a definition |
| dot1x | IEEE 802.1x configuration |
| duplicate-ip | Duplicate IP Address detection Global Commands |
| enable | Modify enable password parameters |
| end | End current mode and change to enable mode |
| exit | Exit current mode and change to previous mode |
| help | Description of the interactive help system |
| hostname | Set system's network name |
| interface | Select an interface to configure |
| ip | Global IP configuration subcommands |
| lACP | Configure LACP |
| line | Configure a terminal line |
| logging | Message Logging global configuration commands |
| mac | Add a MAC access list entry |
| mac-address-table | MAC Address Table global configuration command |
| monitor | Traffic Monitoring global configuration commands |
| map | Map priority |
| no | Negate a command or set its defaults |
| priority-list | Priority List global configuration commands |
| quit | Exit current mode and down to previous mode |
| service | Modify use of network based services |
| show | Show running system information |
| snmp-server | Modify SNMP parameters |
| sntp | Modify SNTP parameters |

| | |
|---------------|--|
| spanning-tree | Enable Spanning Tree Protocol global commands |
| tacacs-server | Modify TACACS+ query parameters |
| tos-list | Tos List global configuration commands |
| username | To establish a user-based authentication system |
| vlan | VLAN global configuration commands |
| write | Write running configuration to memory, network, terminal |

VLAN Configuration Mode

| | |
|--------------------------------|--|
| Switch(config-if-vlan)# | VLAN prompt |
| end | End current mode and change to enable mode |
| exit | Exit current mode and change to previous mode |
| help | Description of the interactive help system |
| name | Specify VLAN name |
| port-member | VLAN port member configuration |
| quit | Exit current mode and down to previous mode |
| show | Show running system information |
| write | Write running configuration to memory, network, terminal |

Ethernet Interface Configuration Mode

| | |
|--------------------------------|--|
| Switch(config-if-eth1)# | Ethernet prompt |
| description | Interface specific description |
| dot1x | IEEE 802.1x configuration |
| duplex | Configure Duplex operations |
| end | End current mode and change to enable mode |
| exit | Exit current mode and change to previous mode |
| fair-queue | Fair-queue interface configuration commands |
| flow-control | IEEE 802.3X Flow Control Enable command |
| help | Description of the interactive help system |
| ip | Interface Internet Protocol configuration commands |
| lACP | Configure LACP |
| mac | Control access to an interface |
| mtu | Set the interface Maximum Transmission Unit (MTU) |
| name | Specify Switchport name |
| negotiation | Select Autonegotiation mode |
| no | Negate a command or set its defaults |
| priority-group | Assign a priority queue list to an interface |
| quit | Exit current mode and down to previous mode |
| rate-limit | To configure committed access rate (CAR) policies |
| show | Show running system information |
| shutdown | Shutdown the selected interface |

| | |
|-----------------|--|
| spanning-tree | Spanning Tree Protocol interface command |
| speed | Configure speed operation |
| storm-control | Enable storm control on the interface |
| switchport | Port operating in L2 mode |
| tos-group | Assign TOS list to an interface |
| traffic-shaping | Connect to traffic-shaping QoS int config commands |
| write | Write running configuration to memory, network, terminal |

Access-List IP Standard (100-199) Extended (2000-2699) Configuration Mode

| | |
|---------------------------------|--|
| Switch(config-xxx-nacl)# | Prompt |
| deny | Specify packets to reject |
| end | End current mode and change to enable mode |
| exit | Exit current mode and change to previous mode |
| help | Description of the interactive help system |
| no | Negate a command or set its defaults |
| permit | Specify packets to permit |
| quit | Exit current mode and down to previous mode |
| remark | Access list entry comment |
| show | Show running system information |
| write | Write running configuration to memory, network, terminal |

Line Configuration Mode

| | |
|-----------------------------|--|
| Switch(config-line)# | Configuration prompt |
| access-class | Filter connections based on an IP access list |
| end | End current mode and change to enable mode |
| exec-timeout | Set timeout value |
| exit | Exit current mode and change to previous mode |
| help | Description of the interactive help system |
| login | Login global configuration commands |
| motd-banner | Enable the display of the MOTD banner |
| no | Filter connections based on an IP access list |
| password | Set a password |
| password-thresh | Sets the password intrusion threshold |
| quit | Exit current mode and down to previous mode |
| show | Show running system information |
| write | Write running configuration to memory, network, terminal |

Spanning-Tree Mode

| | |
|------------------------|---|
| Switch(config)# | Prompt |
| mst | Enable multiple spanning tree (IEEE 802.1s) |
| forward-time | Set forward delaying time |
| hello-time | Set interval between HELLOs |
| max-age | Maximum allowed message age of received Hello BPDUs |
| priority | Set bridge priority |
| rapid | Enable rapid convergence |

Spanning-Tree MST Configuration Mode

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|----------------------------|---|
| Switch(config-mst)# | Prompt |
| end | End current mode and change to enable mode |
| exit | Exit current mode and down to previous mode |
| help | Description of the interactive help system |
| instance | MST instance |
| name | Set MST configuration name |
| no | Negate a command or set its defaults |
| quit | Exit current mode and down to previous mode |
| revision | Set MST configuration revision number |
| show | Show running system information |
| write | Write running configuration to memory, network, or terminal |

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