Modes

Level	Mode	Prompt
1	user EXEC	Switch>
2	Privileged EXEC	Switch#
3	Global Config	Switch(config)#
4a	Interface Config	Switch(config-if)#
4b	Line Config	Switch(config-line)#

Keyboard Shortcuts

Up Arrow	Automatically re-types last command
Ctrl+Shift+6	Oh crap, stop! (Cancels whatever it's currently doing)
Ctrl+C	Exits config mode
Ctrl+Z	Applies current command & returns to priv. EXEC mode
Ctrl+U	Erases anything on current prompt line
Tab	Completes abbreviated command

"Show" Command

Command	Information Displayed
`show version`	IOS version, memory capacity, etc.
`show mac-ad dress tabl e`	MAC address table
`show ip route`	routing table
`show interface g0/0`	status, MAC, IP, etc. for GigaitEthernet 0/0

"Show" Command (cont)

`show ip interface brief`	name, IP, status, etc. (all interfaces)

General Commands

Short Command	Complete Command
en	`enable`
conf t	`config terminal`
int	`interface`
li	`line`
sh run	`show runnin g-c onfig`
cop r s	`copy runnin g-c onfig startu p-c o nfig`
no ip dom lo	`no ip domain -lookup`
era star [Tab]	`erase startu p-c onfig`
del vlan.dat	`delete vlan.dat`

Initial Configuration (Switches and Routers)

Command	From Mode	What It Does
`hostname xyz`	global config	sets hostname to xyz
`enable secret xyz`	global config	sets encrypted password for priv. EXEC to xyz
`service passwo rd- encry pt`	global config	encrypts all passwords
`line console 0`	global config	enters line mode for console
`line vty 0 15`	global config	enters line config mode for 16 vty lines
`password xyz`	line config	sets line password to xyz
`login`	line config	enables users to login
`int vlan 1`	global config	enters interface config mode for vlan 1
`ip address [IP] [Subnet]`	interface config	sets IP address
`no shut`	interface config	turns on interface
`banner motd #Text Here#`	global config	sets motd banner

Router-Specific Configuration Commands

Command	From Mode	Function
`interface g0/1`	global config	enters interface config for GigabitEthernet 0/1
`ip address IP/prefix`	interface config	sets interface's IPv4 address
`no shut`	interface config	turns on the interface
`descri ption descri ption te xt`	interface config	used to document info about the interface
`ipv6 address IP/prefix`	interface config	sets interface's IPv6 address
`` `ipv6 address IP/prefix link-local ``	interface config	sets interface's IPv6 link-local address
`ipv6 unicas t-r outing`	global config	enables IPv6 routing

Other Commands

Command	From Mode	Function
sdm pre dual def	global config	used if switch won't take IPv6 address