

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+S- hift+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 GigaitEth- ernet 0/0

"Show" Command (cont)

show ip interface brief name, IP, status, etc. (all interf-
aces)

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



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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 password-encryption	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
description description text	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 unicast-routing	global config	enables IPv6 routing

Other Commands

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



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