Cheatography

Basic Cisco IOS Commands Cheat Sheet

by River L. (Tamaranth) via cheatography.com/42882/cs/12851/

Modes

Level	Mode	Prompt
1	User EXEC	Device>
2	Privileged EXEC	Device#
3	Global Config	Device(config)#
4a	Interface Config	Device(config-if)#
4b	Line Config	Device(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" Commands

Command	Information Displayed
show version	IOS version, memory capacity, etc.
show mac address-table	MAC address table
show ip route	routing table
show interface g0/0	status, MAC, IP, etc. for Gigabit Ethernet 0/0

"Show" Commands (cont)

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

Other Commands

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

General Commands

Short Command	Complete Command	Fu
en	enable	us EX pri EX
conf t	config terminal	pri EX gl co
int	interface	gl co int co
li	line	gl co lin co
sh run	show runnin g-c onfig	sh cu co
cop r s	copy runnin g-c onfig startu p-c o nfig	sa cu co
no ip dom lo	no ip domain-lookup	ke ro fr try re ba cr ho na

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General Commands (cont)

era star [Tab]	erase startu p-c onf ig	**MUST use after labs to reset router configs!**
del vlan.dat	delete vlan.dat	**MUST use after labs to reset router configs!**

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 config 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 vlan1
ip address *[IP] [subnet]*	interface config	sets IP address
no shut	interface config	turns on interface

Initial Configuration (Switches and Routers) (cont)

banner motd #Text Here#	global config	sets motd banner

Router-Specific Configuration Commands

Command	From Mode	Funct
interface g0/1	global config	enter interf config Gigal Ether 0/1
ip address *IP/prefix*	interface config	sets interf ace's IPv4 addre
no shut	interface config	turns the interf
descri ption *descri ption text*	interface config	used docu info abou interf
ipv6 address *IP/prefix*	interface config	sets interf ace's IPv6 addre
ipv6 address *IP/prefix* link-local	interface config	sets interf ace's IPv6 local addre
ipv6 unicast-routing	global config	enabl IPv6 routir

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