Cheatography

Basic Cisco IOS Commands Cheat Sheet
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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 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	Function
`en`	`enable`	user EXEC > priv. EXEC
`conf t`	`config terminal`	priv. EXEC > global config
`int`	`interface`	global config > interface config
`li`	`line`	global config > line config
`sh run`	`show running-config`	shows current config
`cop r s`	`copy running-config startup-config`	saves current config
`no ip dom lo`	`no ip domain-lookup`	keeps router from trying to read bad cmds as host names
`era star [Tab]`	`erase startup-config`	**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 password-encrypt`	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
`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 Gigabit Ethernet 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