Cheatography

Cisco Device Configuration Commands (NET-126) Cheat Sheet
by River L. (Tamaranth) via cheatography.com/42882/cs/14413/

General Configurations

Command	Mode	Function
`terminal history size` 200	priv. EXEC	changes how many commands the history buffer stores *(for this session only)*

Dynamic Routing Protocol Configuration

Command	Mode	Function
`router` [protocol]	global	enables protocol & enters router config mode
`auto-s ummary`	router	enables automatic network # summarization
`default-information originate`	router	advertises default route info
`network` [ip-address]	router	enables dynamic routing for the network *(Directly connected nets only!)*
`network` [ip-address] `area` 0	router	assigns network to area 0
`passive-interface` g0/1	router	disables routing updates on that interface
`version` [version]	router	sets protocol version

DHCP Configuration

Command	Mode
`ip dhcp excluded-address` [first IP] [last ip]	global
`ip dhcp pool` R1G1	global
`network` [network IP] [subnet mask]	(dhcp-config)
`defaul t-r outer` [gateway IP]	(dhcp-config)
`dns-server` [dns IP]	(dhcp-config)
`domain -name` ccna-l ab.com	(dhcp-config)
`lease` 2	(dhcp-config)
`ip dhcp helper -ad dress` [dhcp server IP]	interface *(on relay router)*

NAT Configuration

Short Command	Full Command
`ip nat pool` *name* [first IP] [last IP] `net` [subnet mask]	`ip nat pool` *name* [first IP] [last IP] `netmask` [subnet mask]
`ip nat in s l` 10 `pool` *name* `ov`	`ip nat inside source li`... [acl#] `pool` *name* `overlo`...
`ip nat in`	`ip nat inside`
`ip nat out`	`ip nat outside`
`ip nat in s st` 192.168.1.10 209.165.200.18	`ip nat inside source sta`... [private IP] [global IP...
----- *Show Commands* -----	
`sh ip nat s`	`show ip nat statistics`
`sh ip nat t`	`show ip nat transl ation`...

Trunking & Subinterfaces

Command	Mode
`encaps ulation dot1Q`	

Routing Table

Command	Mode	Function
`interface loopback 0`	global	loopback address configuration

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Routing Table (cont)

`ip route` [network] [subnet] [exit-int|next-hop]	global
`ipv6 route` [network/prefix] [exit-int|next-hop]	
`ip route 0.0.0.0  0.0.0.0` [exit-int]	global
`ipv6 route ::/0` [exit-int]	
`ip route 0.0.0.0  0.0.0.0` [next-hop] [AD]	global
`ipv6 route ::/0` [next-hop] [AD]	

Refresher Commands: Enabling SSH

Short Command	Complete Command
`ip dom n` CCNA-lab.com	`ip domain -name CCNA-l`
`cry key gen rsa gen mod 1024`	`crypto key generate rs` `modulus 1024`
`user Bob sec cisco`	`username Bob secret ci`
`login lo`	`login local`
`trans in ssh`	`transport input ssh`
`ip ssh v 2`	`ip ssh version 2`

a static route sets default static route

a floating static route

New Show Commands

Short Command	What It Displays
`sh run int g0/0`	running config for specified interface
`sh run | [begin|include|exclude|section] line vty`	filtered running-config output
`sh history`	contents of history buffer (previously entered commands)
`sh ip protocols`	dynamic routing protocol settings

Refresher Commands: General

Short Command	Complete Command	Mode
`no ip dom lo`	`no ip domain -lookup`	global
`login blo 120 a 3 w 60`	`login block-for 120 attempts 3 within 60`	global
`security pass min 8`	`security password min-length 8`	global
`exec-t imeout 10`	`exec-t imeout 10`	line