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-1 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 st** [private IP] [global IP
----- Show Commands -----	
sh ip nat s	**show ip nat statistics**
sh ip nat t	**show ip nat transl atio**

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] **ipv6 route** [network/prefix] [exit-int|next-hop]	global config a static route
ip route 0.0.0.0 0.0.0.0 [exit-int] **ipv6 route ::/0** [exit-int]	global sets default static route
ip route 0.0.0.0 0.0.0.0 [next-hop] [AD] **ipv6 route ::/0** [next-hop] [AD]	global config a floating static route

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

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-c-onfig 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

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