

General Configurations

Command	Mode	Function
terminal history size 200	priv. EXEC	changes how many commands the history buffer stores <i>(for this session only)</i>

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 <i>(Directly connected nets only!)</i>
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 <i>(on relay router)</i>

NAT Configuration

Short Command	Full Command
ip nat pool name [first IP] [last IP]	ip nat pool name [first IP] [last IP]
net [subnet mask]	netmask [subnet mask]

ip nat in s l 10 **ip nat inside source li**
pool name ov [acl#] **pool name overlo**

ip nat in **ip nat inside**

ip nat out **ip nat outside**

ip nat in s st **ip nat inside source st**
192.168.1.10 209.165.200.18 [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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Page 1 of 2.

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Routing Table (cont)		Refresher Commands: Enabling SSH	
Short Command	Complete Command	Short Command	Complete Command
ip route [network] [subnet] [exit-int next-hop]	global	ip static	ip static
ipv6 route [network/prefix] [exit-int next-hop]		ip dom n CCNA-lab.com	ip domain -name CCNA-l
ip route 0.0.0.0 0.0.0.0 [exit-int]	global	crypto key gen rsa gen mod 1024	crypto key generate rs modulus 1024
ipv6 route ::/0 [exit-int]		default user Bob sec cisco	username Bob secret ci
ip route 0.0.0.0 0.0.0.0 [next-hop] [AD]	global	login lo	login local
ipv6 route ::/0 [next-hop] [AD]		transport input ssh	transport input ssh
		ip ssh v 2	ip ssh version 2
		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-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

