

Cisco Router Configuration Commands

Requirement	Cisco Command
Set a console password to cisco	Router(config)# line con 0 Router(config-line)# login Router(config-line)# password cisco
Set a telnet password	Router(config)# line vty 0 4 Router(config-line)# login Router(config-line)# password cisco
Stop console timing out	Router(config)# line con 0 Router(config-line)# exec-timeout 0 0
Set the enable password to cisco	Router(config)# enable password cisco
Set the enable secret password to peter. This password overrides the enable password and is encrypted within the config file	Router(config)# enable secret peter
Enable an interface	Router(config-if)# no shutdown
To disable an interface	Router(config-if)# shutdown
Set the clock rate for a router with a DCE cable to 64K	Router(config-if) clock rate 64000
Set a logical bandwidth assignment of 64K to the serial interface	Router(config-if) bandwidth 64 Note that the zeroes are not missing
To add an IP address to a interface	Router(config-if)# ip addr 10.1.1.1 255.255.255.0
To enable RIP on all 172.16.x.y interfaces	Router(config)# router rip Router(config-router)# network 172.16.0.0
Disable RIP	Router(config)# no router rip
To enable IRGP with a AS of 200, to all interfaces	Router(config)# router igrp 200 Router(config-router)# network 172.16.0.0
Disable IGRP	Router(config)# no router igrp 200
Static route the remote network is 172.16.1.0, with a mask of 255.255.255.0, the next hop is 172.16.2.1, at a cost of 5 hops	Router(config)# ip route 172.16.1.0 255.255.255.0 172.16.2.1 5
Disable CDP for the whole router	Router(config)# no cdp run
Enable CDP for he whole router	Router(config)# cdp run

Disable CDP on an interface	Router(config-if)#no cdp enable
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Cisco Router Show Commands

Requirement	Cisco Command
View version information	show version
View current configuration (DRAM)	show running-config
View startup configuration (NVRAM)	show startup-config
Show IOS file and flash space	show flash
Shows all logs that the router has in its memory	show log
View the interface status of interface e0	show interface e0
Overview all interfaces on the router	show ip interfaces brief
View type of serial cable on s0	show controllers 0 (note the space between the 's' and the '0')
Display a summary of connected cdp devices	show cdp neighbor
Display detailed information on all devices	show cdp entry *
Display current routing protocols	show ip protocols
Display IP routing table	show ip route
Display access lists, this includes the number of displayed matches	show access-lists
Check the router can see the ISDN switch	show isdn status
Check a Frame Relay PVC connections	show frame-relay pvc
show lmi traffic stats	show frame-relay lmi
Display the frame inverse ARP table	show frame-relay map

Cisco Router Basic Operations

Requirement	Cisco Command
Enter privileged mode	enable
Return to user mode from privileged	disable
Exit Router	Logout or exit or quit

Recall last command	up arrow or <Ctrl-P>
Recall next command	down arrow or <Ctrl-N>
Suspend or abort	<Shift> and <Ctrl> and 6 then x
Refresh screen output	<Ctrl-R>
Compleat Command	TAB

Cisco Router Copy Commands

Requirement	Cisco Command
Save the current configuration from DRAM to NVRAM	copy running-config startup-config
Merge NVRAM configuration to DRAM	copy startup-config running-config
Copy DRAM configuration to a TFTP server	copy runing-config tftp
Merge TFTP configuration with current router configuration held in DRAM	copy tftp runing-config
Backup the IOS onto a TFTP server	copy flash tftp
Upgrade the router IOS from a TFTP server	copy tftp flash

Cisco Router Debug Commands

Requirement	Cisco Command
Enable debug for RIP	debug ip rip
Enable summary IGRP debug information	debug ip igrp events
Enable detailed IGRP debug information	debug ip igrp transactions
Debug IPX RIP	debug ipx routing activity
Debug IPX SAP	debug IPX SAP
Enable debug for CHAP or PAP	debug ppp authentication
Switch all debugging off	no debug all undebug all