

451L Cheat Command Cheat Sheet

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1 Changing Device IP's:

- pc: `sudo ifconfig eth0 'ip' netmask 'netmask'`

ex: `sudo ifconfig eth0 10.42.1.10 netmask 255.255.255.0`

- router: configure terminal

router[config]: `interface FastEthernet0/0`

router[config]: `ip address 'ip' 'netmask'`

router[config]: `no shutdown`

router[config]: `end`

2 Displaying routing tables for devices

- pc: `netstat -rn`
- router: `show ip route`

3 Adding/Deleting Routes to Devices

- pc: `sudo route add -net 10.42.1.10 netmask 255.255.255.0 gw 10.42.3.4`
pc: `sudo route del -net 10.42.1.10 netmask 255.255.255.0 gw 10.42.3.4`
- pc: `route add default gw 10.42.3.4`
pc: `route del default gw 10.42.3.4`
- router[config]: `ip route 10.42.1.10 255.255.255.0 10.42.3.1`

3.1 Clearing ip routes for devices

- pc: `sudo ifconfig eth0 down`
pc: `sudo ifconfig eth0 up`

This command flushes the routing table on the pc.

- router: `clear ip route *`

4 Adding rip protocols on devices

4.1 Routers

- R1(config) router rip

R1(config) version 2

R1(config) network 10.0.0.0

R1(config): end

R1: clear ip route *

4.2 PCs

- telnet localhost 2602

password is quagga

PC1: enable

PC1(config-router): router rip

PC1(config-router): version 2

PC1(config-router): network 10.0.0.0/8

PC1(config-router): passive-interface eht0

PC1(config-router):end