



Device management Cheat sheet

Factory reset

Go to privileged mode

R1>enable

Delete config files

R1#write erase

Go to config terminal

Router#config t

Set which device to configure

Router(config)#hostname R1

Start configuring device R1

R1(config)#!

R1(config)#interface interfacenName

R1(config-if)#ip address IP subnetMask

R1(config-if)#duplex auto

R1(config-if)#speed auto

R1(config-if)#no shutdown

R1(config)#!

R1(config)#line con 0

R1(config-line)# exec-timeout 30 0

R1(config-line)#end

Copy running config to startup config

R1#copy run start

Password Recovery

Go to privileged mode

R1>enable

Go to config terminal

Router#config t

Set password for device

R1(config)#enable secret Flackbox1

R1(config)#config-register 0x2120

R1(config)#end

Copy running config to startup config

R1#copy run start

Save & reboot device

R1#reload

Set device configuration in ROM
Monitor mode

rommon 1 > confreg 0x2142

rommon 2 > reset

Go to privileged mode

R1>en

Show running config

R1#sh run

Show startup config

R1#sh start

Router>en

Router#copy start run

Set router configuration

router(config)#no enable secret

router(config)#config-register 0x2102

router(config)#end

router>en

router#copy run start

router#reload

Configuration backup

Go to privileged mode

R1>en

Copy running config to flash memory

R1#copy run flash

Check out flash memory

R1#show flash

Copy startup config to TFTP server

R1#copy startup-config tftp

IOS System Image Backup and Recovery

Shows R1's flash memory

R1#show flash

Copy from flash memory to TFTP server

R1#copy flash tftp

Delete a file from flash memory

R1#delete flash file: fileName

(Use it to delete configuration file from
flash memory)

Reboot device and enter ROMMON
mode

R1#reload

Set boot (Basic) configuration of device

rommon 1 > ... (it depends on device
model)

Download config file from TFTP server

rommon n > tftpdnld

Save & reboot

rommon n+1 > reset

IOS Image Upgrade

Copy newer version of IOS image from
TFTP server to device flash memory

SW1#copy tftp flash

Shows SW1's flash memory

SW1#show flash

Enter configuration terminal

SW1#config t

Save & reboot device

SW1#reload

Authors: Ali Karimi & Zahra Jenabzadeh