

**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)#hsotname 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**

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