Student notes for

David Bombal's

Packet Tracer Labs Course

David Bombal

THANK YOU!

These student notes have been kindly shared by @DJninjaNZ

Thank you @DJninjaNZ for sharing! Please also give your thanks to @DJninjaNZ via Twitter.

These are not official student notes and are not officially supported, but are shared with the hope that they will help you with your CCNA studies.

If you want to share your notes with others on the course, please submit them to sales@ConfigureTerminal.com and we will review them for addition to the course.

Remember: You will probably learn more by making notes like these and sharing them for the benefit of others.

All the best!

David Bombal

Contents

Brief

This lab is for fixing a power outage and some broke devices

Lab requirements

Configure the network as follows:

Password recovery

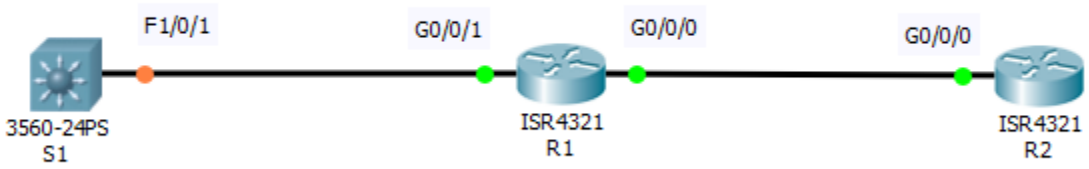
1. R1 = reset enable password to "cisco"
2. R2 = reset secret password to "cisco"
3. S1 = reset secret password to "cisco" (watch next video if needed as Packet Tracer does not support all required options)
4. Very that device configurations are restored
    a. devices can ping all loopbacks
    b. Verify that when devices are reloaded, configurations are restored using the new passwords

Password Recovery

For whatever reason you have forgotten the password to a device, there are different methods of recovering passwords on different models. We can do this with the mode button, breaking the boot process and config register values.

For password recovery you need physical access.

Lab Topology



Here we have two routers and as witch that we need to reset the passwords for we do this in different ways for different devices.

Configurations and Verification

Password reset
R1 Switching off and on the router Ctrl C during boot to break the boot sequence (options differ per device) get into rommon 1 > Confreg 0x2142 //bypass startup configuration reset Copy start run Enable password cisco //change password Copy run start Confreg 0x2102 Reload int g0/0/0 no shut int g0/0/1 no shut **R2** Switching off and on the router Ctrl C during boot to break the boot sequence (options differ per device) get into rommon 1 > Confreg 0x2142 //bypass startup configuration reset Copy start run Enable secret cisco //change secret Copy run start Confreg 0x2102 Reload

int g0/0/0
no shut

S1

Power cycle devices press mode on hardware, picture shown later.
From switch: prompt
Switch:flash_init
switch: dir flash:
Directory of flash:/

3 -rw- 8662192 <date> c3560-advipservicesk9-mz.122-37.SE1.bin
4 -rw- 1306 <date> config.text
2 -rw- 28282 <date> sigdef-category.xml
1 -rw- 227537 <date> sigdef-default.xml

switch: rename flash:config.text flash:config.text.old

switch: dir flash:
Directory of flash:/

3 -rw- 8662192 <date> c3560-advipservicesk9-mz.122-37.SE1.bin
4 -rw- 1306 <date> config.text.old
2 -rw- 28282 <date> sigdef-category.xml
1 -rw- 227537 <date> sigdef-default.xml
55097067 bytes available (8919317 bytes used)

Switch:boot
Switch:config erase NVRAM to remove startupconfig
Power cycle again

S1#copy flash running-config
Source filename []? **config.text.old**
Destination filename [running-config]?

S1(config)#enable secret cisco

S1(config)#int vlan 1
S1(config-if)#no shut

S1(config)#do wr

Verification commands and outputs

R1#show ip eigrp neighbors
IP-EIGRP neighbors for process 100
H Address Interface Hold Uptime SRTT RTO Q Seq
(sec) (ms) Cnt Num
0 10.1.1.2 Gig0/0/0 11 00:01:40 40 1000 0 7
1 10.1.2.2 Gig0/0/1 11 00:01:19 40 1000 0 7

R1#ping 1.1.1.1

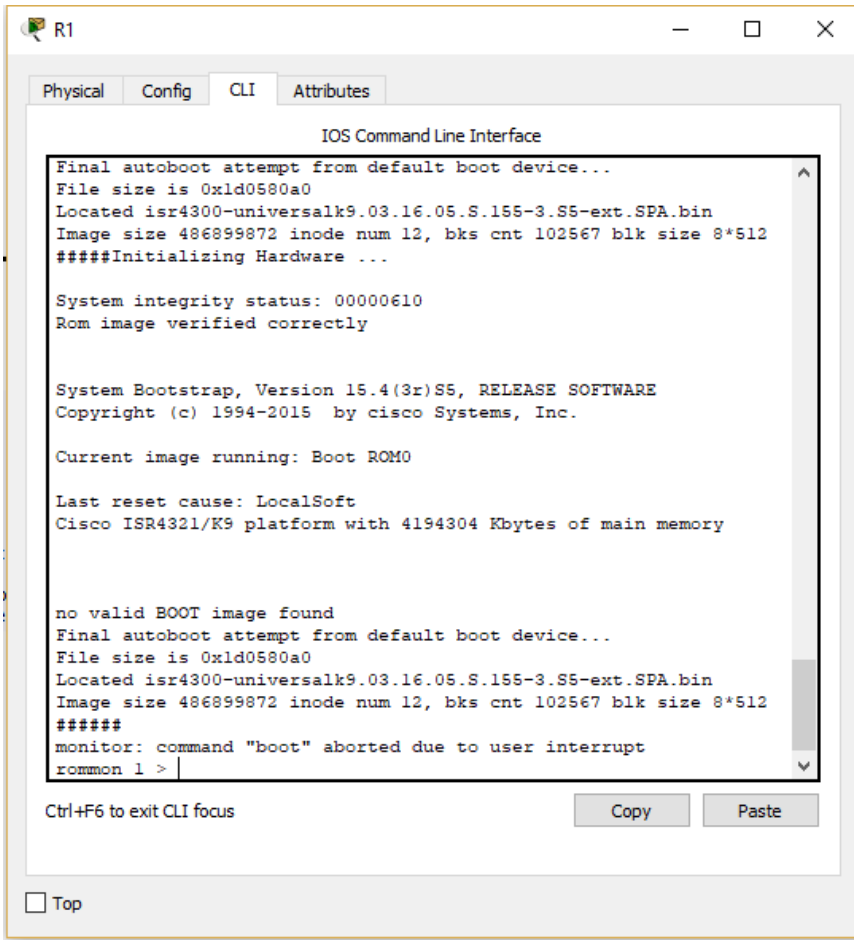
Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
!!!!!

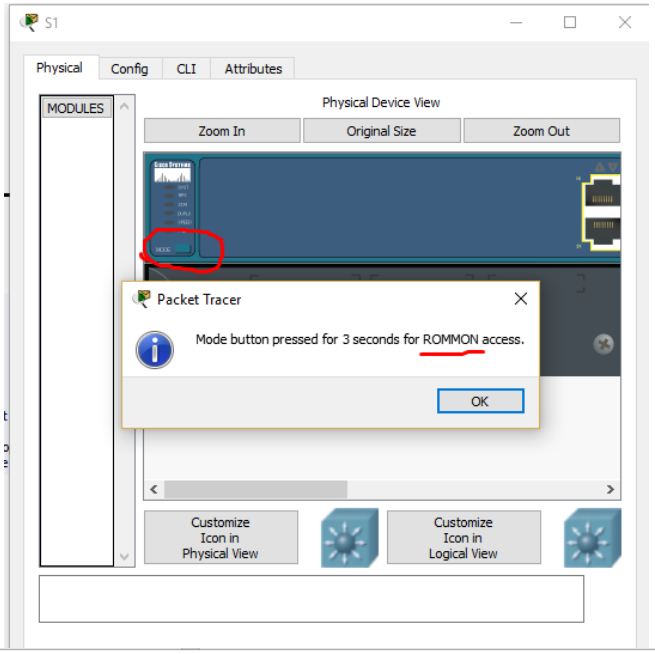
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/3/11 ms

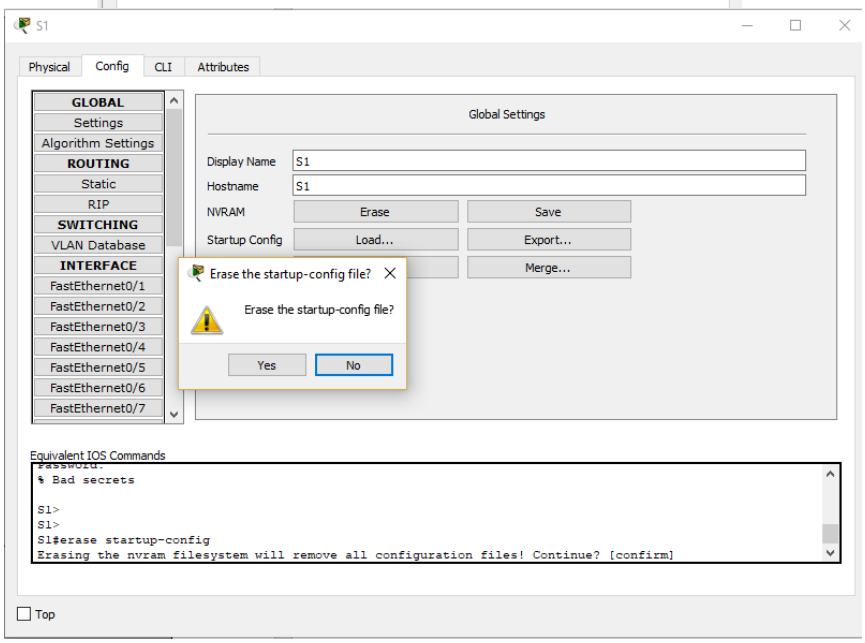
R1#ping 3.3.3.3

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:
!!!!!
Success rate is 100 percent (5/5), round-trip min/avg/max = 0/3/11 ms

Reload all devices and check you can login with enable/password cisco







Extra Examples and Resources

ISR 4000

https://www.cisco.com/c/en/us/td/docs/routers/access/4400/troubleshooting/guide/isr4400trbl/isr4400trbl02.html