

Student notes for

David Bombal's

Packet Tracer
Labs Course



David Bombal

THANK YOU!

These student notes have been kindly shared by @DJninjaNZ

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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

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Brief

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

Lab requirements

Configure the network as follows:

Password recovery

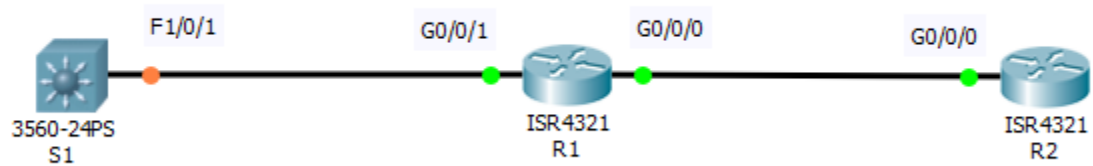
1. R1 = reset enable password to "cisco"
2. R2 = reset secret password to "cisco"
3. S1 = reset secret password to "cisco" (watch next video if needed as Packet Tracer does not support all required options)
4. Verify that device configurations are restored
 - a. devices can ping all loopbacks
 - b. Verify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

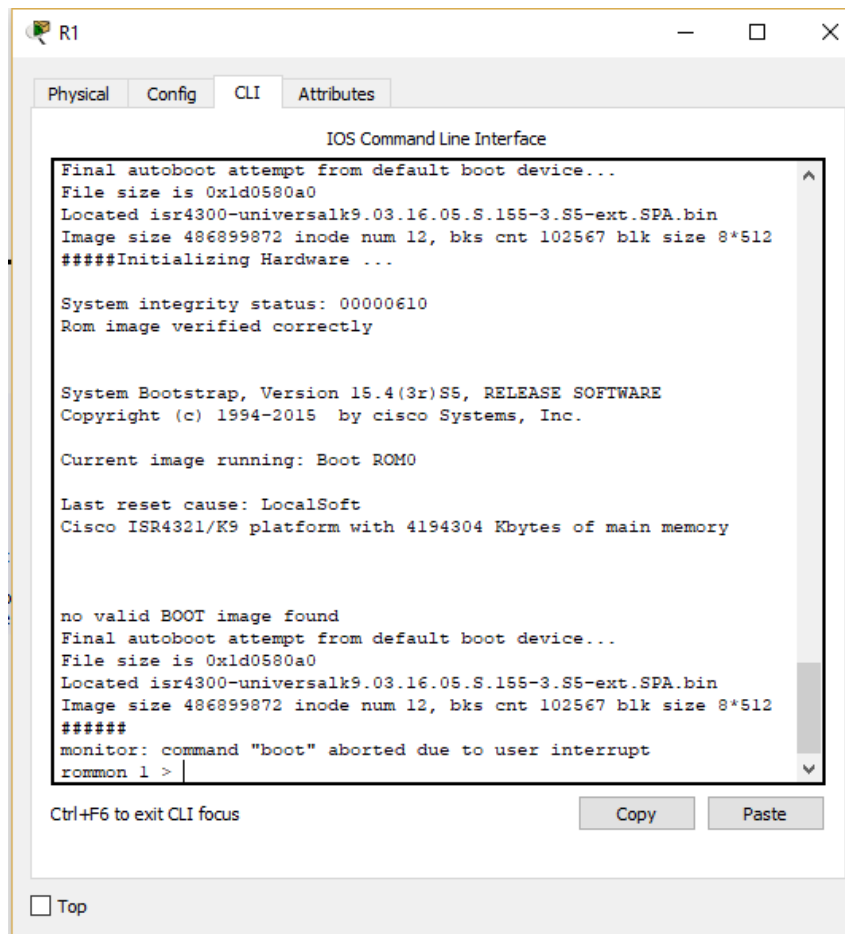
Type escape sequence to abort.

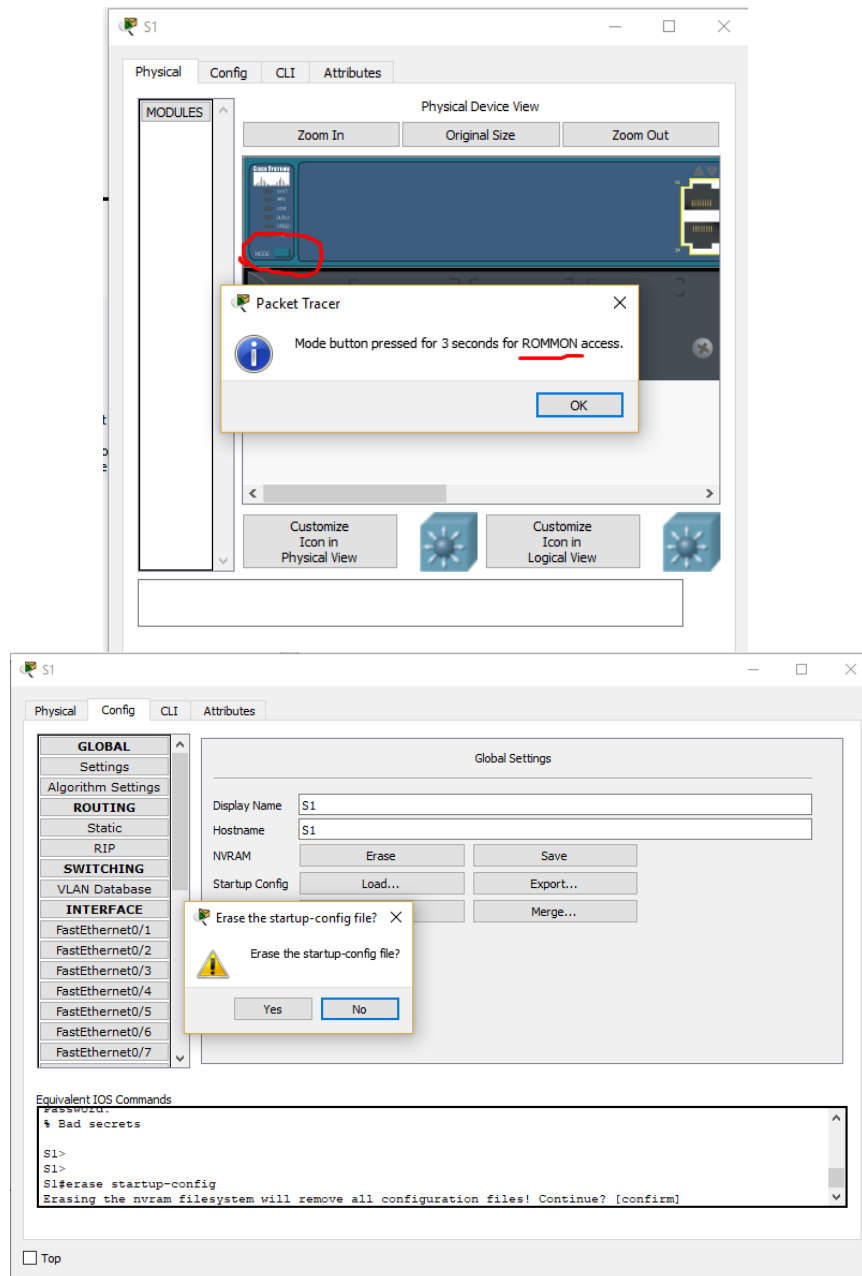
Sending 5, 100-byte ICMP Echos to 1.1.1.1, timeout is 2 seconds:

!!!!

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>

