**Hands-on Lab 3:**

**Password Recovery:** when a Password is unknown on your **router**

\*\*\*Ensure that you have a console connection and PuTTY interface set up. First read the following procedure:

**Step1** : Enter **ROMMON** mode,

**Reboot** router (switch off and on) and while it is starting up, press ***control + break*** keys on your keyboard.

**Readonly ROMMON is now initialized**

**Step 2:** Change **BOOT-Up sequence**

Once you enter ROMMON – type as shown below ***confreg0x2142*** (this sets the configuration register to avoid the **startup** configuration stored in **NVRAM**



This is what appears on screen:

Self decompressing the image :

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monitor: command "boot" aborted due to user interrupt

rommon 1 > **confreg 0x2142**

rommon 4 > boot

**Step 3:** Change to **correct password**

Now your router reboots again… and you now need to change the password to **cisco or class**

**\*\*** if passwords are **not** required simply **– write erase** yourrouter.

**Step 4**: Change **BOOT-Up sequence back to NVRAM**

Note, you will see via the last line from the ***show version*** display, that the register is set to 0x2142 and will mean the system bypasses the NVRAM ‘s Startup configuration file – you need to change the register to seek the NVRAM and install you configurations so now change the configuration register to 0x2102

Paste Box? Type in commands

*for step 2 - 4*

Router#enable

confreg 0x2142

Router#config terminal

Router(config)#config-register 0x2102

Router(config)#line console 0

Router(config-line)#password cisco

Router(config-line)#exit

Router(config)#exit

Router#

Router#copy running-config startup-config

Destination filename [startup-config]?- press **enter**

Building configuration...

[OK]

Router#

**Step 5**: **Verify Password Recovery**

Password is reset, check the password – exit out and login again to verify password access is all as planned

Add this procedure to your **eJournal ( as per Paste Box). Now change the password to test your partner’s ability to recover!**

Next Class – we practice the process on how to carry out Password recovery on **Cisco** **Switches**