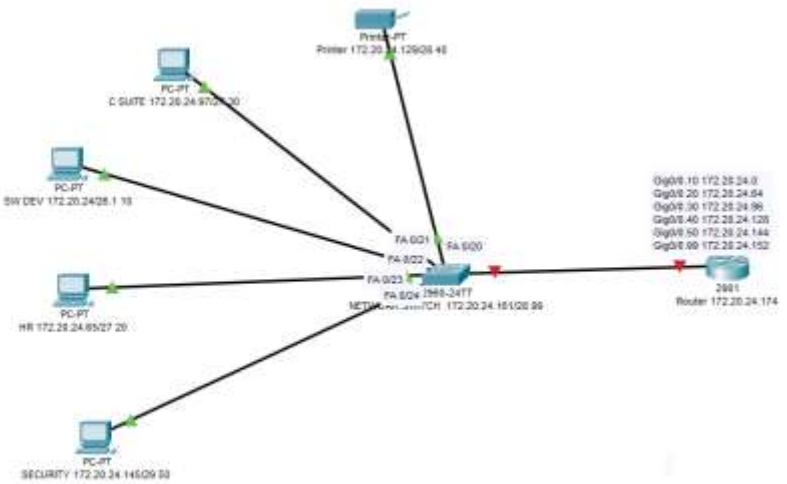
IP: 172.20.24.0 /22
Team Name: A

Router# VLAN Table

VLAN No.	VLAN Nam	Network Address and Mask
10	DEV	(IP) 172.20.24.0 (MASK) 255.255.255.192
20	HR-FINANC	(IP) 172.20.24.64 (MASK) 255.255.255.224
30	C-SUITE	(IP) 172.20.24.96 (MASK) 255.255.255.224
40	PRINTERS	(IP) 172.20.24.128 (MASK) 255.255.255.240
50	SEC	(IP) 172.20.24.144 (MASK) 255.255.255.248
99	NETWORK	(IP) 172.20.24.160 (MASK) 255.255.255.240



Addressing Device Table

	Device	Interface	IP Address	Subnet Mask	Default Gateway
	Router	Gig 0/0	------	-----	-----
DEV	Router	Gig 0/0.10	172.20.24.62	255.255.255.192	----
HR-FINANC	Router	Gig 0/0.20	172.20.24.94	255.255.255.224	----
C-SUITE	Router	Gig 0/0.30	172.20.24.126	255.255.255.224	----
PRINTERS	Router	Gig 0/0.40	172.20.24.142	255.255.255.240	----
SEC	Router	Gig 0/0.50	172.20.24.150	255.255.255.248	----
NETWORK	Router	Gig 0/0.99	172.20.24.174	255.255.255.240	----
NETWORK	Switch	VLAN 99	172.20.24.161	255.255.255.240	172.20.24.174
	PC (SW Dev)	NIC	172.20.24.1	255.255.255.192	172.20.24.62
	PC (HR)	NIC	172.20.24.65	255.255.255.224	172.20.24.94
	PC (C-SUITE)	NIC	172.20.24.97	255.255.255.224	172.20.24.126
	PC(PRINTER)	NIC	172.20.24.129	255.255.255.240	172.20.24.142
	PC(SEC)	NIC	172.20.24.145	255.255.255.248	172.20.24.150

isr4300-universalk9.03.16.04b.S.155-3.S4b-ext.SPA.bin

To initiate the password recovery procedure, connect the rollover cable to the console port, then power the router off and back on. As soon as you receive a prompt showing the boot process, hit Ctrl-Break:
You'll immediately see the 'rommon' prompt, indicating we are in 'rom monitor' mode

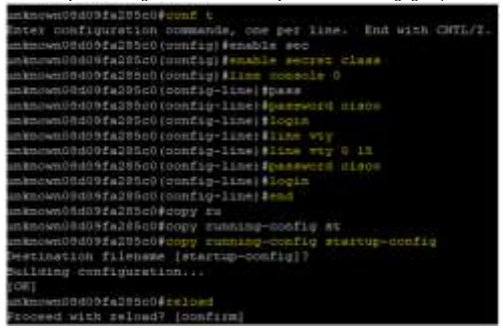
```
rommon 1 > confreg 0x2142
rommon 2 > reset
Router> enable
Router# copy startup-config running-config
Router# configure terminal
Router(config)# enable password cisco
Router(config)# enable secret enter
Router(config)# line console 0
Router(config-line)# password hello
Router(config)# username admin privilege 15 secret enternow
```

Lastly, we need to change the 'configuration register' so the router will load the newly modified configuration next time it reboots, save our settings and reboot the router:

```
Router(config)# config-register 0x2102
Router(config)# exit
Router# copy running-config startup-config
Router# reload
```

Connect your console cable to the switch and open the terminal emulator software, e.g., Putty. Ensure to provide correct COM Port in the Serial Line box below.
You can check the COM Port of your laptop/desktop (where you have connected the serial cable) through Device Manager. Keep the speed and other settings to default and click Open.
Once you click on Open, a command shell will open. Since you do not have the password to log on to the switch, keep the same console screen open and press and hold the Mode button on the switch until you see the switch: prompt.
It takes approximately 20–25 seconds, but keep holding the Mode button, and you will then see a bunch of messages on the screen and, finally, the switch: prompt.
You will find a message on the screen The password-recovery mechanism is enabled (as shown in the screenshot below) before you reach the switch: prompt.
At the switch: prompt, type flash_init to initialize the flash, and then enter dir flash: to check the contents of the flash: drive. Take note of the files that are showing as .renamed.
At the Switch: prompt, enter the boot command, as shown below. It will take some time to boot until you see the System Configuration dialog, and then you will see the Switch> prompt. In the system configuration dialog boxes, enter no.
Would you like to enter the initial configuration dialog ? [yes/no]: no
Switch> en
Switch#sh flash:
You will see files with .renamed extension.
Rename these files and remove .renamed extension. For example, private-config.text.renamed will become private-config.text.

Confirm that the .renamed extension has been removed from the file extensions by using the sh flash: command.
Copy config.text to running-config using the command copy flash:config.text running-config. After doing this, you will notice that the switch name has been changed.
From here you can configure the switch however you like such as changing the password.



How will you backup and share you configs. I'll run copy run tftp on both the switch and the router and then I'll be sending an email of the finalized configs. For anything other than the configs we'll put it on an excel sheet where we can all access via sharepoint.