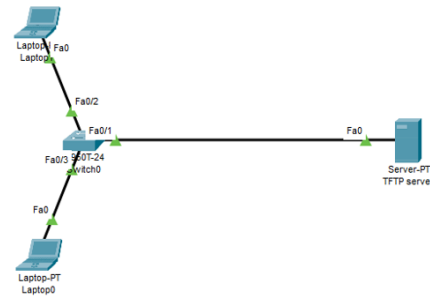# BACKUP OF SWITCH

- Steps

  1. Create required environment (adding a TFTP server with a switch with some PCs).

     - Set IP address to all the PCs, switch & TFTP server.

  2. Display the current configuration

     - Switch# **show running-config**

  3. Run the following command to backup:

     - Switch# **copy running-config tftp:**

```
S1(config)#int
S1(config)#interface vlan
S1(config)#interface vlan 1
S1(config-if)#ip add
S1(config-if)#ip address 192.168.10.1 255.255.255.0
S1(config-if)#no shut
S1(config-if)#no shutdown
```

VIEW CURRENT SWITCH CONFIG

```
S1#show int vlan 1
Vlan1 is up, line protocol is up
  Hardware is CPU Interface, address is 0002.4a56.d8cb (bia 0002.4a56.d8cb)
  Internet address is 192.168.10.1/24
  MTU 1500 bytes, BW 100000 Kbit, DLY 1000000 usec,
     reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 21:40:21, output never, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
  Output queue: 0/40 (size/max)
  5 minute input rate 0 bits/sec, 0 packets/sec
  5 minute output rate 0 bits/sec, 0 packets/sec
     1682 packets input, 530955 bytes, 0 no buffer
     Received 0 broadcasts (0 IP multicast)
     0 runts, 0 giants, 0 throttles
     0 input errors, 0 CRC, 0 frame, 0 overrun, 0 ignored
     563859 packets output, 0 bytes, 0 underruns
     0 output errors, 23 interface resets
     0 output buffer failures, 0 output buffers swapped out
```
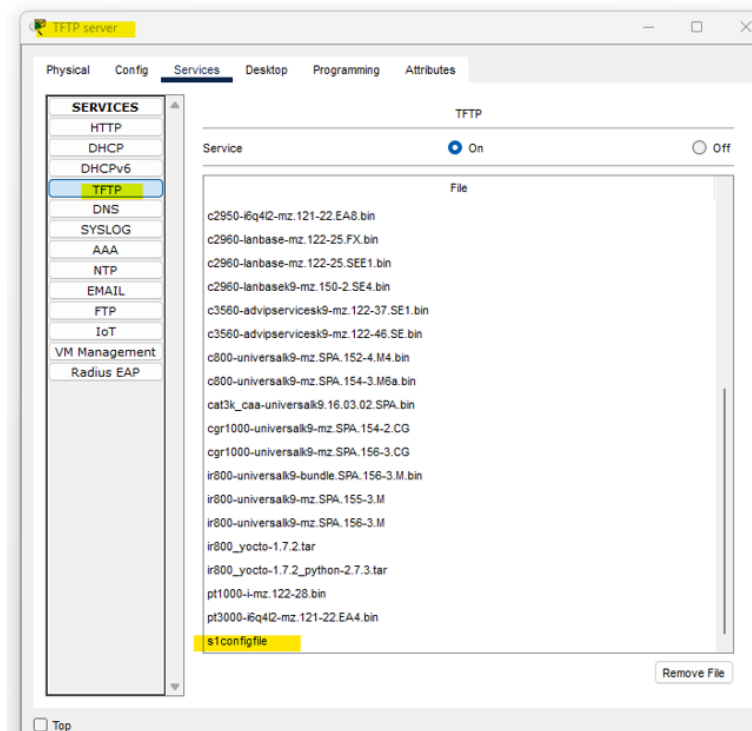
TAKING BACKUP TO TFTP SERVER

```
S1#cop
S1#copy run
S1#copy running-config tf
S1#copy running-config tftp:
Address or name of remote host []? 192.168.10.10
Destination filename [S1-confg]? s1configfile

Writing running-config....!!
[OK - 1090 bytes]

1090 bytes copied in 3.001 secs (363 bytes/sec)
S1#
```

TO VERIFY ON TFTP SERVER

RECOVERING BACKUP FROM TFTP SERVER

- Change the IP address on the current configuration:

```
S1#con
S1#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S1(config)#int
S1(config)#interface vla
S1(config)#interface vlan 1
S1(config-if)#ip addres
S1(config-if)#ip address 192.168.10.100 255.255.255.0
S1(config-if)#no shut
S1(config-if)#exit
S1(config)#exit
S1#
%SYS-5-CONFIG_I: Configured from console by console
```

- Verifying the IP address

```
S1#show interfaces vla
S1#show interfaces vlan 1
Vlan1 is up, line protocol is up
  Hardware is CPU Interface, address is 0002.4a56.d8cb (bia 0002.4a56.d8cb)
  Internet address is 192.168.10.100/24
  MTU 1500 bytes, BW 100000 Kbit, DLY 1000000 usec,
     reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 21:40:21, output never, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
  Queueing strategy: fifo
```

RECOVERING BACKUP FROM TFTP SERVER

```
S1#
S1#cop
S1#copy tftp run
S1#copy tftp running-config
Address or name of remote host []? 192.168.10.10
Source filename []? s1configfile
Destination filename [running-config]?

Accessing tftp://192.168.10.10/s1configfile....
Loading s1configfile from 192.168.10.10: !
[OK - 1090 bytes]

1090 bytes copied in 3.007 secs (362 bytes/sec)
S1#
%SYS-5-CONFIG_I: Configured from console by console
```

Verifying the configuration

```
S1#show interfaces vlan 1
Vlan1 is up, line protocol is up
  Hardware is CPU Interface, address is 0002.4a56.d8cb (bia 0002.4a56.d8cb)
  Internet address is 192.168.10.1/24
  MTU 1500 bytes, BW 100000 Kbit, DLY 1000000 usec,
     reliability 255/255, txload 1/255, rxload 1/255
  Encapsulation ARPA, loopback not set
  ARP type: ARPA, ARP Timeout 04:00:00
  Last input 21:40:21, output never, output hang never
  Last clearing of "show interface" counters never
  Input queue: 0/75/0/0 (size/max/drops/flushes); Total output drops: 0
```