

Packet Tracer - Implement Basic Connectivity: Command List

Part 1: Perform a Basic Configuration on S1 and S2

Step 1: Configure the hostname

```
Switch> enable
Switch# configure terminal
Switch(config)# hostname S1          # or S2
```

Step 2: Configure console and privileged EXEC mode passwords

```
S1(config)# line console 0
S1(config-line)# password cisco
S1(config-line)# login
S1(config-line)# exit
S1(config)# enable secret class
```

Step 3: Configure a banner

```
S1(config)# banner motd #Authorized access only. Violators will be prosecuted to the
full extent of the law.#
```

Step 4: Save configuration to NVRAM

```
S1# copy running-config startup-config
```

Verification Tip:

Logout and try accessing again to check console and EXEC mode password prompts.

Part 2: Configure the PCs

PC1:

```
IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0
```

PC2:

```
IP Address: 192.168.1.2
Subnet Mask: 255.255.255.0
```

Test Connectivity (from Command Prompt on PC):

```
ping 192.168.1.253      # S1
ping 192.168.1.254      # S2
```

Part 3: Configure the Switch Management Interface

Configure S1:

```
S1# configure terminal
S1(config)# interface vlan 1
S1(config-if)# ip address 192.168.1.253 255.255.255.0
S1(config-if)# no shutdown
S1(config-if)# exit
```

Configure S2:

```
S2# configure terminal
S2(config)# interface vlan 1
```

Packet Tracer - Implement Basic Connectivity: Command List

```
S2(config-if)# ip address 192.168.1.254 255.255.255.0
S2(config-if)# no shutdown
S2(config-if)# exit
```

Verify IP Configuration:

```
S1# show ip interface brief
S1# show running-config
```

Save Configurations:

```
S1# copy running-config startup-config
S2# copy running-config startup-config
```

Ping Tests:

```
ping 192.168.1.1      # PC1
ping 192.168.1.2      # PC2
ping 192.168.1.253    # S1
ping 192.168.1.254    # S2
```

Note: First ping may show 80% success due to ARP, retry if needed.