

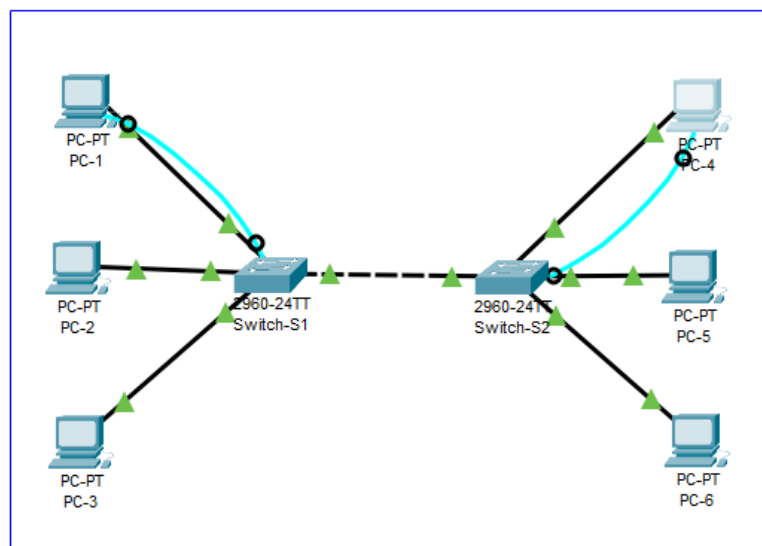
Project 1

Basic configuration of a simple network

Task: create a simple network and perform basic configuration

Step 1: Creating a topology

Project 1: Basic configuration of a simple network



Step 2: Basic Switch configuration

PC-4

Physical Config Desktop Programming Attributes

Terminal

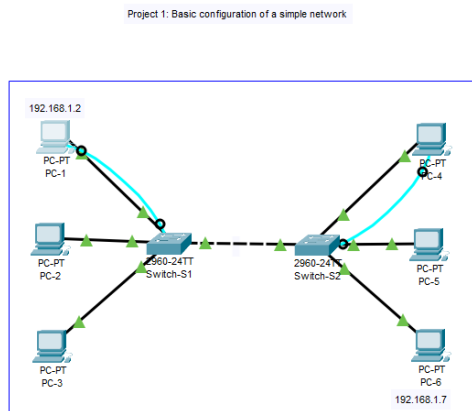
```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up
%LINK-3-UPDOWN: Interface FastEthernet0/1, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Switch-S2
Switch-S2(config)#line console 0
Switch-S2(config-line)#password line_switch_s2
Switch-S2(config-line)#login
Switch-S2(config-line)#exit
Switch-S2(config)#enable secret exec_switch_s2
Switch-S2(config)#line vty 0 15
Switch-S2(config-line)#password vty_switch_s2
Switch-S2(config-line)#login
Switch-S2(config-line)#exit
Switch-S2(config)#service password-encryption
Switch-S2(config)#banner motd #Authorized Access Only!#
Switch-S2(config)#end
Switch-S2#
%SYS-5-CONFIG_I: Configured from console by console

Switch-S2#copy run
Switch-S2#copy running-config st
Switch-S2#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Switch-S2#
```

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Step 3: Checking network operation using Ping



PC-1

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.7

Pinging 192.168.1.7 with 32 bytes of data:

Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128
Reply from 192.168.1.7: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.7:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>ping 192.168.1.5

Pinging 192.168.1.5 with 32 bytes of data:

Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.5:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

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Result: A simple network is set up, packages are being sent.