|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Apparaat** | **Interface(s)** | **IP-adres** | **Subnetmask** | **VLAN** | **Netwerk** |
| R1 | G0/1 | 172.16.4.1 | 255.255.255.240 | N/A | N/A |
|  | G0/1.10 | 172.16.4.2 | 255.255.255.240 | 10 | 172.16.4.0/28 |
|  | G0/1.40 | 172.16.4.49 | 255.255.255.240 | 40 | 172.16.4.48/28 |
|  | G0/0 | 10.199.66.104 | 255.255.255.224 | N/A | N/A |
| SW1 | Vlan10 | 172.16.4.6 | 255.255.255.240 | 10 | 172.16.4.0/28 |
| Server1 | Fa0/1 | 172.16.4.56 | 255.255.255.240 | 40 | 172.16.4.49/28 |
| PC1 | Fa0/2 | 172.16.4.57 | 255.255.255.240 | 40 | 172.16.4.49/28 |

**SW1**

enable

configure terminal

hostname SW1

username Michael password pxl

enable secret pxl

ip domain-name pxl.be

crypto key generate rsa modulus 2048

ip ssh version 2

line vty 0 4

transport input ssh

login local

ip ssh rsa keypair SW1.pxl.be

interface GigabitEthernet0/1

no shutdown

switchport mode trunk

switchport trunk allowed vlan 1,10,40

vlan 10

name Management

interface Vlan10

ip address 172.16.4.6 255.255.255.240

ip default-gateway 172.16.4.2

vlan 40

name Data

interface range Fa0/1 - 2

no shutdown

switchport mode access

switchport access vlan 40

end

copy running-config tftp

10.199.64.134

Sw1\_cfg\_michael

**R1**

enable

configure terminal

hostname R1

username Michael password pxl

enable secret pxl

ip domain-name pxl.be

crypto key generate rsa modulus 2048

ip ssh version 2

line vty 0 4

transport input ssh

login local

ip ssh rsa keypair R1.pxl.be

interface GigabitEthernet0/1

no shutdown

interface GigabitEthernet0/1.10

encapsulation dot1Q 10

ip address 172.16.4.2 255.255.255.240

no shutdown

interface GigabitEthernet0/1.40

encapsulation dot1Q 40

ip address 172.16.4.49 255.255.255.240

no shutdown

interface GigabitEthernet0/0

ip address 10.199.66.104 255.255.255.224

no shutdown

router ospf 1

network 172.16.4.0 0.0.0.15 area 0

network 172.16.4.16 0.0.0.15 area 0

network 172.16.4.48 0.0.0.15 area 0

network 172.16.4.64 0.0.0.15 area 0

network 10.199.66.96 0.0.0.31 area 0

end

copy running-config tftp

10.199.64.134

R1\_cfg\_michael

**R1 (Minimal Config)**

enable

conf t

interface G0/0

ip address 10.199.66.104 255.255.255.224

no shutdown

ip route 0.0.0.0 0.0.0.0 10.199.66.100

interface G0/1

no shutdown

exit

exit

copy tftp running-config

10.199.64.134

R1\_cfg\_michael

**SW01 (Minimal Config)**

enable

conf t

vlan 10

interface vlan10

ip address 172.16.4.6 255.255.255.240

ip default-gateway 172.16.4.2

interface GigabitEthernet0/1

no shutdown

switchport mode trunk

switchport trunk allowed vlan 1,10,40

exit

exit

copy tftp running-config

10.199.64.134

Sw1\_cfg\_michael