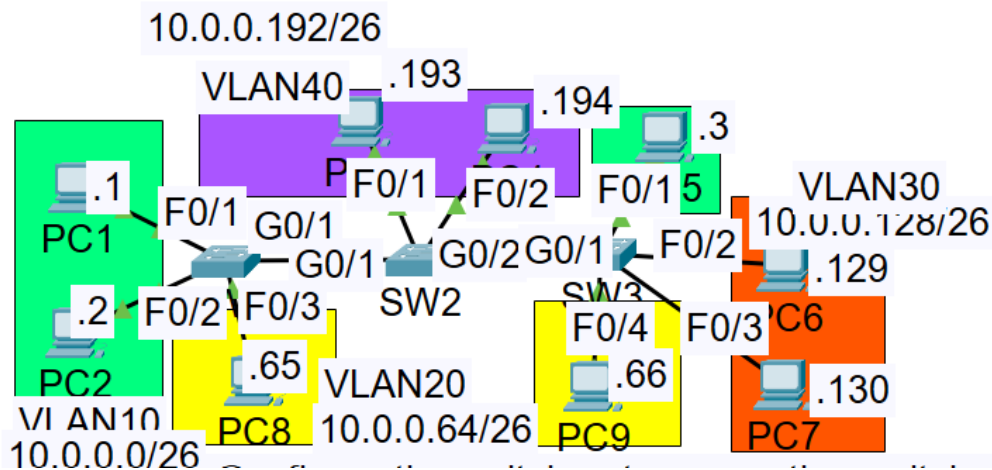


Network Topology:



SW1 CLI:

```

SW1
Physical | Config | CLI | Attributes |
-----|-----|-----|-----|
SW1(config-if)#switchport access vlan 20
SW1(config-if)#do sh int f0/3 sw
Name: Fa0/3
Switchport: Enabled
Administrative Mode: dynamic auto
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: On
Access Mode VLAN: 20 (VLAN0020)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false

SW1(config-if)#switchport mode access
SW1(config-if)#do sh int f0/3 sw
Name: Fa0/3
Switchport: Enabled
Administrative Mode: static access
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 20 (VLAN0020)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false
--More--

```

SW2 CLI:

SW2

| Physical | Config | CLI | Attributes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|--------|---|------|------|--------|-------|---|---------|--------|---|----|----------|--------|--|----|----------|--------|--|----|----------|--------|--|------|--------------|--------|--|------|--------------------|--------|--|------|--------------------|--------|--|------|-----------------|--------|--|------|---------------|--------|--|
| <table><thead><tr><th>VLAN</th><th>Name</th><th>Status</th><th>Ports</th></tr></thead><tbody><tr><td>1</td><td>default</td><td>active</td><td>Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24</td></tr><tr><td>10</td><td>VLAN0010</td><td>active</td><td></td></tr><tr><td>20</td><td>VLAN0020</td><td>active</td><td></td></tr><tr><td>30</td><td>VLAN0030</td><td>active</td><td></td></tr><tr><td>1002</td><td>fddi-default</td><td>active</td><td></td></tr><tr><td>1003</td><td>token-ring-default</td><td>active</td><td></td></tr><tr><td>1004</td><td>fddinet-default</td><td>active</td><td></td></tr><tr><td>1005</td><td>trnet-default</td><td>active</td><td></td></tr></tbody></table> <pre>SW2(config)#vlan 40 SW2(config-vlan)#do sh vlan br</pre> | | | | VLAN | Name | Status | Ports | 1 | default | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 | 10 | VLAN0010 | active | | 20 | VLAN0020 | active | | 30 | VLAN0030 | active | | 1002 | fddi-default | active | | 1003 | token-ring-default | active | | 1004 | fddinet-default | active | | 1005 | trnet-default | active | | | | | |
| VLAN | Name | Status | Ports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | default | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | VLAN0010 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | VLAN0020 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | VLAN0030 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1002 | fddi-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1003 | token-ring-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1004 | fddinet-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1005 | trnet-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><thead><tr><th>VLAN</th><th>Name</th><th>Status</th><th>Ports</th></tr></thead><tbody><tr><td>1</td><td>default</td><td>active</td><td>Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24</td></tr><tr><td>10</td><td>VLAN0010</td><td>active</td><td></td></tr><tr><td>20</td><td>VLAN0020</td><td>active</td><td></td></tr><tr><td>30</td><td>VLAN0030</td><td>active</td><td></td></tr><tr><td>40</td><td>VLAN0040</td><td>active</td><td></td></tr><tr><td>1002</td><td>fddi-default</td><td>active</td><td></td></tr><tr><td>1003</td><td>token-ring-default</td><td>active</td><td></td></tr><tr><td>1004</td><td>fddinet-default</td><td>active</td><td></td></tr><tr><td>1005</td><td>trnet-default</td><td>active</td><td></td></tr></tbody></table> <pre>SW2(config-vlan)#</pre> | | | | VLAN | Name | Status | Ports | 1 | default | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 | 10 | VLAN0010 | active | | 20 | VLAN0020 | active | | 30 | VLAN0030 | active | | 40 | VLAN0040 | active | | 1002 | fddi-default | active | | 1003 | token-ring-default | active | | 1004 | fddinet-default | active | | 1005 | trnet-default | active | |
| VLAN | Name | Status | Ports | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | default | active | Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | VLAN0010 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | VLAN0020 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | VLAN0030 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40 | VLAN0040 | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1002 | fddi-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1003 | token-ring-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1004 | fddinet-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1005 | trnet-default | active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SW3 CLI:

```

SW3(config-if)#int range f0/2 - 3
SW3(config-if-range)#switchport mode access
SW3(config-if-range)#switchport access vlan 30
SW3(config-if-range)#do sh int f0/2 sw
Name: Fa0/2
Switchport: Enabled
Administrative Mode: static access
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 30 (VLAN0030)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none
Trunking VLANs Enabled: All
Pruning VLANs Enabled: 2-1001
Capture Mode Disabled
Capture VLANs Allowed: ALL
Protected: false

SW3(config-if-range)#do sh int f0/3 sw
Name: Fa0/3
Switchport: Enabled
Administrative Mode: static access
Operational Mode: static access
Administrative Trunking Encapsulation: dot1q
Operational Trunking Encapsulation: native
Negotiation of Trunking: Off
Access Mode VLAN: 30 (VLAN0030)
Trunking Native Mode VLAN: 1 (default)
Voice VLAN: none
Administrative private-vlan host-association: none
Administrative private-vlan mapping: none
Administrative private-vlan trunk native VLAN: none
Administrative private-vlan trunk encapsulation: dot1q
Administrative private-vlan trunk normal VLANs: none
Administrative private-vlan trunk private VLANs: none
Operational private-vlan: none

```