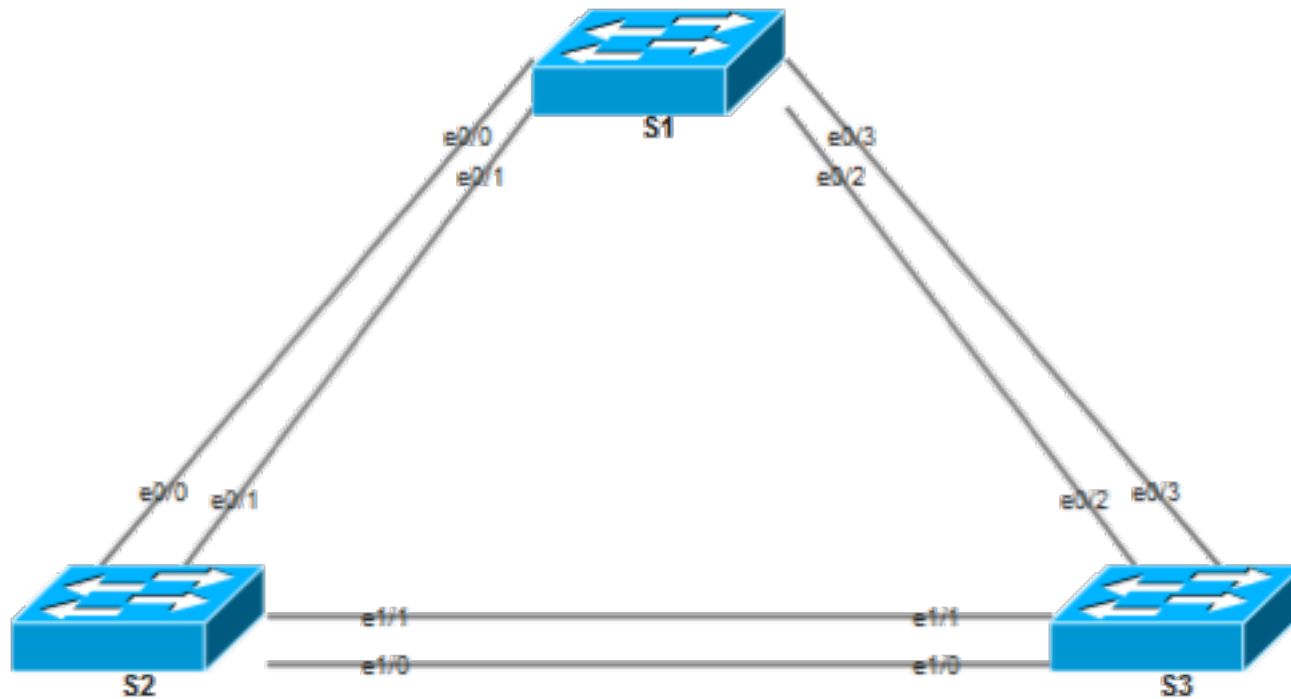


# MST LAB

Lab Activity

# Topology



# Goals

- Enable MST on all switches.
- Configure switchport mode trunk for trunk interface
- Create VLAN 10, 20, 30, 40, 50 and 60 on all switches.
- Configure VLAN 10, 20 and 30 to use MST instance 1 for spanning-tree calculation.
- Configure VLAN 40, 50 and 60 to use MST instance 2 for spanning-tree calculation.
- Configure S1 to be the root bridge for CIST.
- Configure S2 to be the root bridge for instance 1.
- Configure S3 to be the root bridge for instance 2.

# Config

- Check
  - show vlan-switch
  - show vlan
- Create VLAN
  - vlan <number>
- Configure trunk
  - switchport mode trunk
  - sh int trunk
- Verify
  - show spanning-tree mst
  - show spanning-tree mst configuration
  - show spanning-tree mst <instance number>

# Sample Configuration: S1

```
spanning-tree mode mst
```

```
int range e0/0 - 3
```

```
    switchport trunk encapsulation dot1q
```

```
    switchport mode trunk
```

```
spanning-tree mst configuration
```

```
    name <name>
```

```
    revision <number>
```

```
    instance 1 vlan 10,20,30
```

```
    instance 2 vlan 40,50,60
```

```
spanning-tree mst 0 root primary
```

# Sample Configuration: S2

```
spanning-tree mst 1 root primary
```