

Ali Aydemir CCNP RS v2.0 SWITCH LAB-1 Configs

//LAB-1.1 VLANs, VTP, Trunk, RSTP Configs

##SW01##

```
conf t
!
vtp vers 2
vtp domain CISCO
vtp password CISCO
vtp mode server
!
!
vlan 1,2,3,4,5,6,7,8,9,10,20,24,30,40,45,50,100,136,156,200
!
!
int ra e 1/0 - 3 , e 0/2 - 3
switchport trunk encap dot1q
switchport mode trunk
!
int e 0/0
switchport mode access
switchport access vlan 136
!
int e 0/1
switchport mode access
switchport access vlan 136
!
!
spanning-tree mode rapid-pvst
!
spanning-tree vlan 136 root primary
spanning-tree vlan 156 root secondary
!
!
end
```

##SW02##

```
conf t
!
vtp vers 2
vtp domain CISCO
vtp password CISCO
vtp mode client
!
!
int ra e 1/0 - 3 , e 0/2 - 3
switchport trunk encap dot1q
switchport mode trunk
!
int e 0/0
switchport mode access
switchport access vlan 156
!
int e 0/1
switchport mode access
switchport access vlan 24
!
!
spanning-tree mode rapid-pvst
!
spanning-tree vlan 156 root primary
spanning-tree vlan 136 root secondary
!
!
end
```

#SW03##

```
conf t
!
vtp vers 2
vtp domain CISCO
vtp password CISCO
vtp mode client
!
int ra e 1/0 - 3 , e 0/2 - 3
switchport trunk encap dot1q
switchport mode trunk
!
int e 0/0
switchport mode access
switchport access vlan 136
!
int e 0/1
switchport mode access
switchport access vlan 24
!
int e 2/0
switchport mode access
switchport access vlan 45
!
spanning-tree mode rapid-pvst
!
spanning-tree vlan 24 root primary
!
!
end
```

##SW04##

```
conf t
!
vtp vers 2
vtp domain CISCO
vtp password CISCO
vtp mode transparent
!
!
vlan 1,2,3,4,5,6,7,8,9,10,20,24,30,40,45,50,100,136,156,200
!
int ra e 1/0 - 3 , e 0/2 - 3
switchport trunk encap dot1q
switchport mode trunk
!
int e 0/0
switchport mode access
switchport access vlan 156
!
int e 0/1
switchport mode access
switchport access vlan 156
!
int e 2/0
switchport mode access
switchport access vlan 45
!
spanning-tree mode rapid-pvst
!
spanning-tree vlan 24 root secondary
!
end
```

//LAB-1.2 MSTP Configs

##SW01##

```
conf t
!
spanning-tree mode mst
spanning-tree mst configuration
!
name LAB
revision 1
!
instance 1 vlan 1,3,5,7,9
instance 2 vlan 2,4,6,8,10,20,30,40,50,100,200
instance 3 vlan 24,45,136,156
!
!
spanning-tree mst 1 root primary
spanning-tree mst 2 root secondary
!
!
end
```

##SW02##

```
conf t
!
spanning-tree mode mst
spanning-tree mst configuration
!
name LAB
revision 1
!
instance 1 vlan 1,3,5,7,9
instance 2 vlan 2,4,6,8,10,20,30,40,50,100,200
instance 3 vlan 24,45,136,156
!
!
spanning-tree mst 2 root primary
spanning-tree mst 1 root secondary
!
!
end
```

##SW03##

```
conf t
!
spanning-tree mode mst
spanning-tree mst configuration
!
name LAB
revision 1
!
instance 1 vlan 1,3,5,7,9
instance 2 vlan 2,4,6,8,10,20,30,40,50,100,200
instance 3 vlan 24,45,136,156
!
!
spanning-tree mst 3 root primary
!
!
end
```

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##SW04##

```
conf t
!
spanning-tree mode mst
spanning-tree mst configuration
!
name LAB
revision 1
!
instance 1 vlan 1,3,5,7,9
instance 2 vlan 2,4,6,8,10,20,30,40,50,100,200
instance 3 vlan 24,45,136,156
!
spanning-tree mst 3 root secondary
!
end
```

//LAB-1.3 Etherchannel Configs

##SW01##

```
conf t
!
interface ra e 1/0-1
channel-group 12 mode on
!
interface ra e 1/2-3
channel-group 14 mode on
!
interface ra e 0/2-3
channel-group 13 mode on
!
end
```

##SW02##

```
conf t
!
!
interface ra e 1/0-1
channel-group 12 mode on
!
interface ra e 1/2-3
channel-group 23 mode on
!
interface ra e 0/2-3
channel-group 24 mode on
!
end
```

##SW03##

```
conf t
!
interface ra e 1/0-1
channel-group 34 mode on
!
interface ra e 1/2-3
channel-group 23 mode on
!
interface ra e 0/2-3
channel-group 13 mode on
!
end
```

##SW04##

```
conf t
!  
!  
interface ra e 1/0-1  
channel-group 34 mode on  
!  
interface ra e 1/2-3  
channel-group 14 mode on  
!  
interface ra e 0/2-3  
channel-group 24 mode on  
!  
!  
end
```