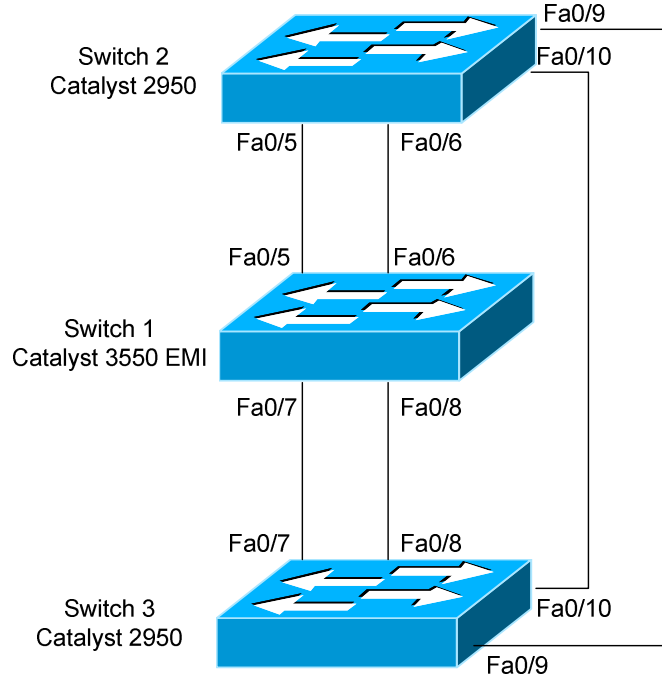


- VLAN and EtherChannel Lab -

VLAN and EtherChannel – Lab



Basic Objectives:

1. Configure and cable the Ethernet interfaces as indicated in the above diagram.

VLAN Objectives:

2. Create a VLAN on Switch 1. Use any available VLAN number between 200-300, and use your first name for the VLAN name. View the VLAN database to ensure the VLAN was created.

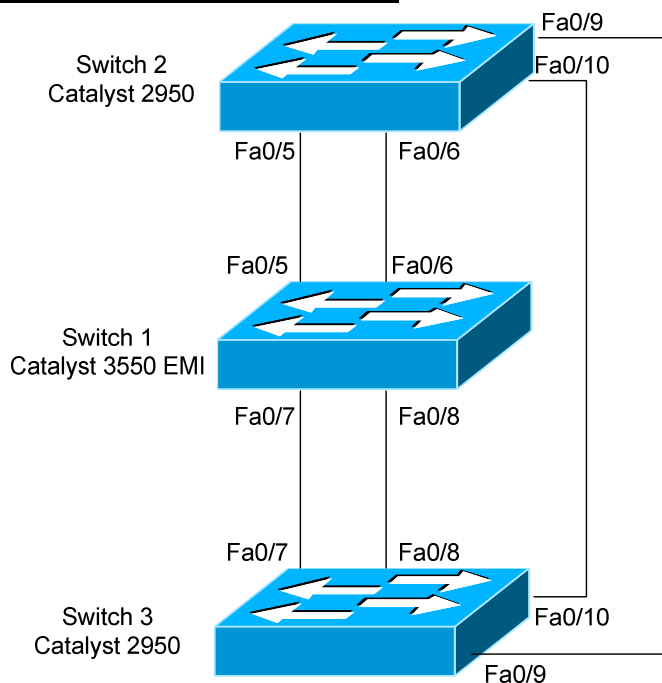
3. Assign interfaces fa0/3 – 5 on Switch 1 to this VLAN (configure it on all interfaces simultaneously).

* * *

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VLAN and EtherChannel – Lab (continued)



VLAN Objectives:

4. Configure the appropriate diagrammed ports as trunk links. Use the standard tagging encapsulation type. Ensure that this is *not* accomplished dynamically. View the status of the link to ensure its trunking status.

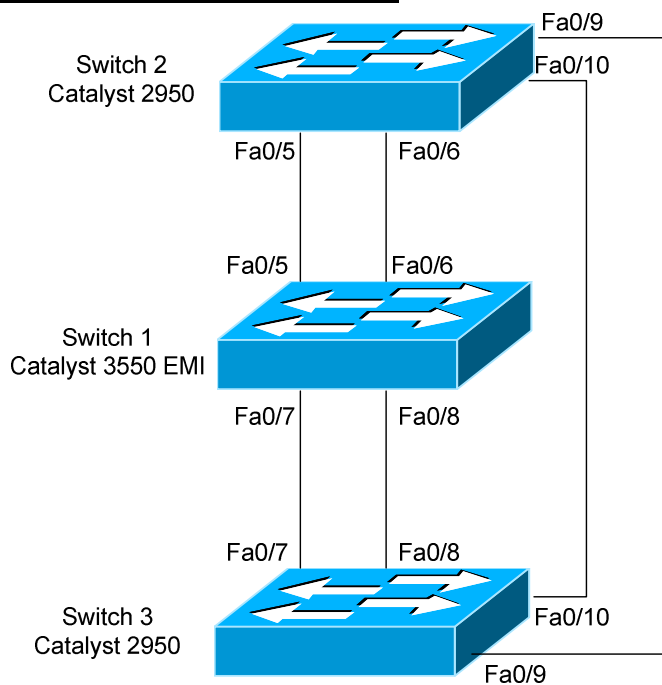
5. Remove the above trunking configuration. Configure the trunk links again using Dynamic Trunking Protocol (DTP). View the status of the link to ensure its trunking status.

6. Ensure that only VLANs numbered 200-300 and 400-500 are allowed to traverse the trunk links. Ensure the native VLAN is set to 201.

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VLAN and EtherChannel – Lab (continued)



VTP Objectives:

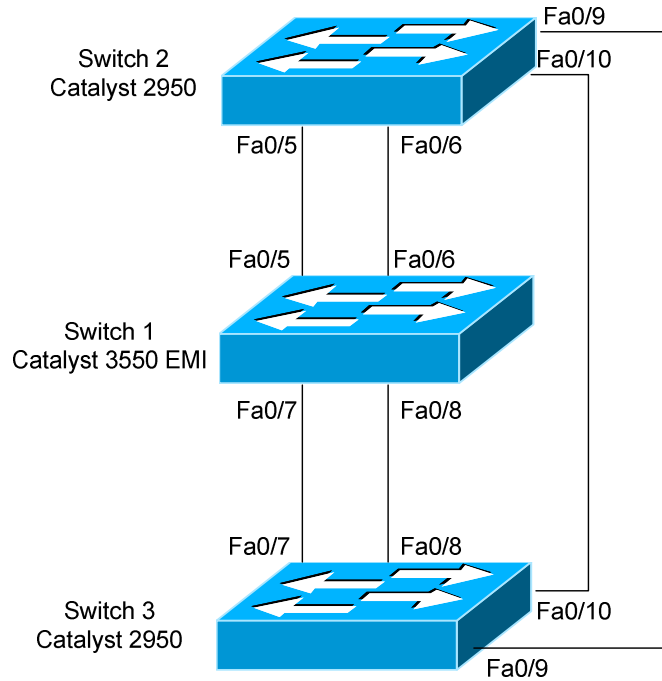
7. Join each switch to a VTP domain of CiscoLand. Use a VTP password of CISCO. Use VTP version 2.

8. Switch 1 should be configured as a VTP server. Switch 2 and 3 should be configured as VTP clients.

9. Enable VTP pruning on each switch.

* * *

VLAN and EtherChannel – Lab (continued)



EtherChannel Objectives:

10. Configure the trunk links between each switch as an Etherchannel. Ensure that this is not accomplished dynamically. View the status to ensure its channeling status.

11. Remove the above Etherchannel configuration. Configure the channel again dynamically, using the standardized protocol. View the status to ensure its channeling status.
