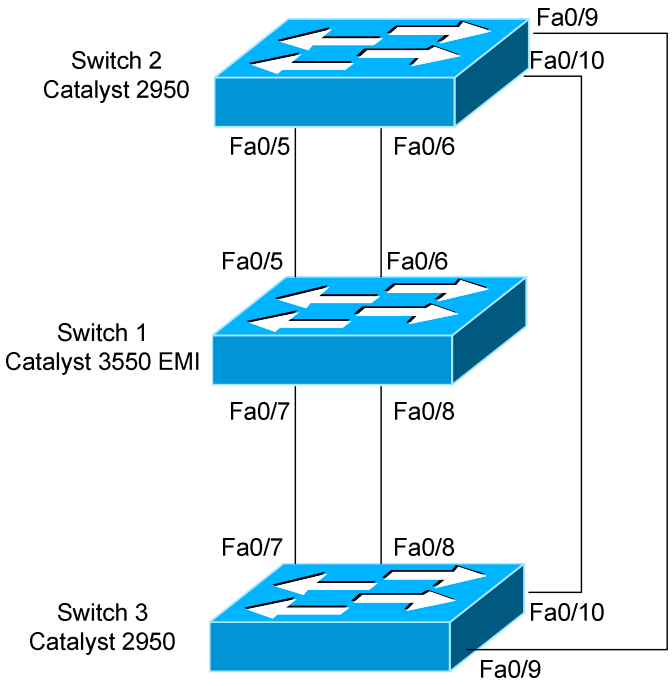
- VLAN and EtherChannel Lab -

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.

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   _____
   _____

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

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   _____

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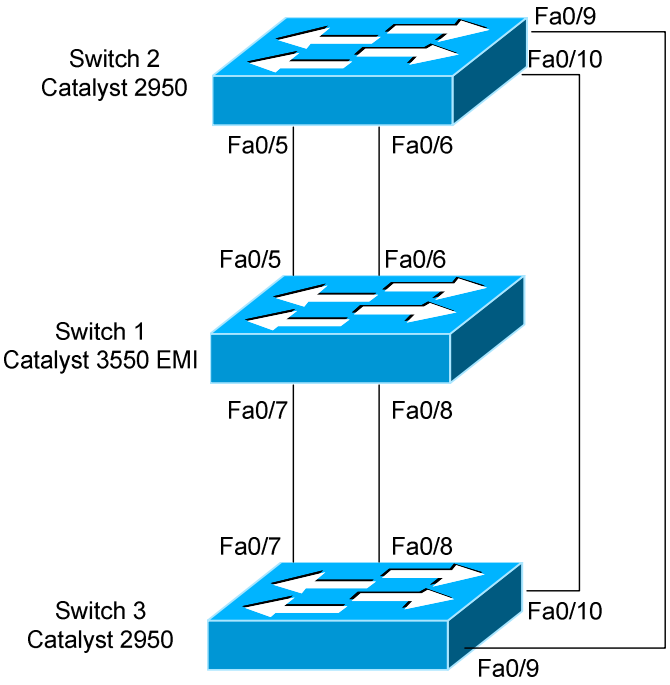
VLAN and EtherChannel – Lab (continued)



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.

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   _____

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.

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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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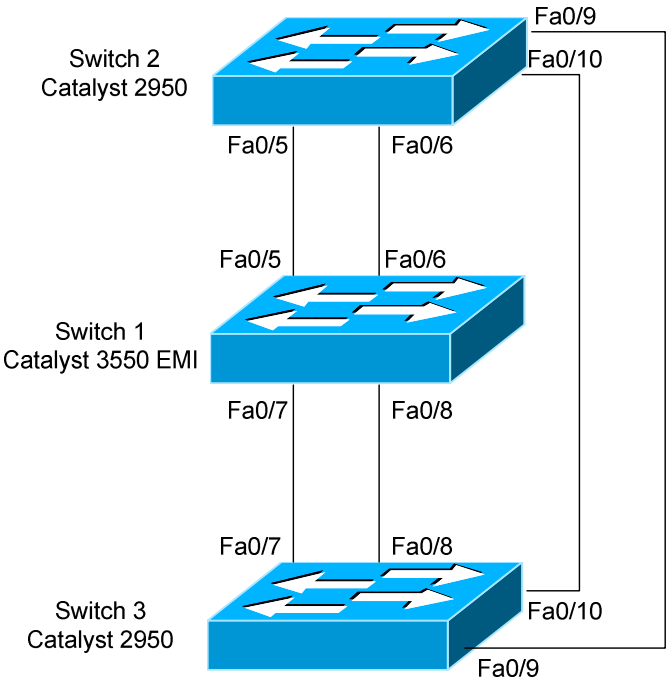
VLAN and EtherChannel – Lab (continued)



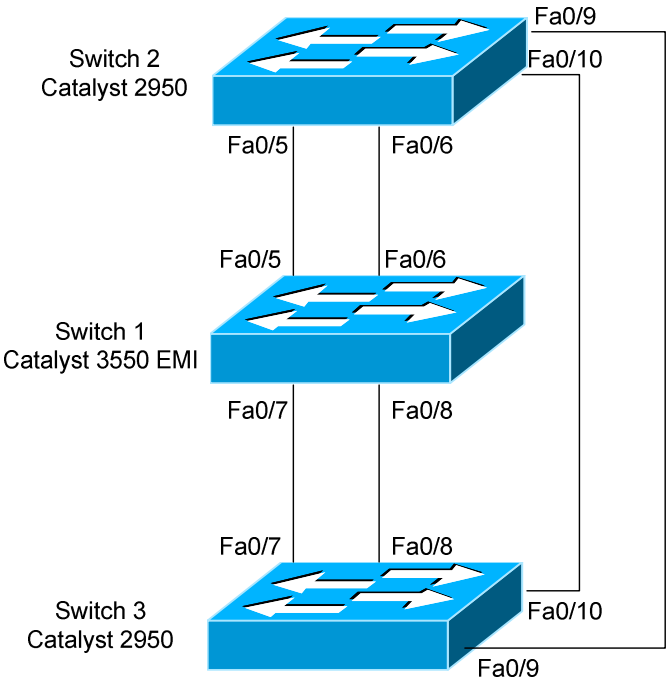
VTP Objectives:

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.

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

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