

Lecture (09)

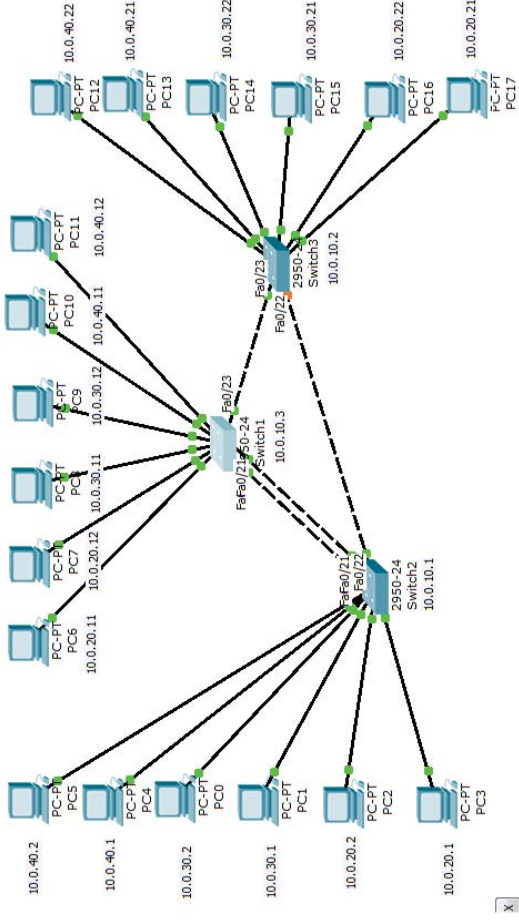
working on devices

3 switches 2960, 3 vlans, VTP, root switch, ring topology

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SW01 steps

- firstly connect all links (refer to topology)
- then start configuring your switch:
- Enable switch
- Open configuration mode
- Set hostname
- Enable telnet
- Set enable password
- Set secret passwords
- Give switch IP (refer to topology)
- Set vtp domain name
- Set vtp mode
- Create vlans



- Set all ports speed to auto, duplex to auto
- Set ports 21-24 to trunk mode
- Set ports 1-5 access vlan 2
- Set ports 6-10 access vlan 2
- Set ports 11-15 access vlan 2
- Set switch as root
- Exit configuration mode
- configure PCs giving each PC IP/Mask (refer to topology)
- *****

SW 02,03 steps

- firstly connect all links (refer to topology)
- then start configuring your switch:
- Enable switch
- Open configuration mode
- Set hostname
- Enable telnet
- Set enable password
- Set secret passwords
- Give switch IP (refer to topology)
- Set vtp domain name
- Set vtp mode
- Set all ports speed to auto, duplex to auto

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- Troubleshooting
- *****
- Display all vlans
- Display all interfaces
- Display spanning tree status on different vlans and trunk interfaces
- Make sure switch can communicate with other switches
- Make sure that PC connected to that switch can access other PCs that are connected to different switches on the same vlan
- try to access switch remotely using telnet
- *****

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- Set ports 21-24 to trunk mode
- check vlans (make sure all vlans are exist)
- Set ports 1-5 access vlan 2
- Set ports 6-10 access vlan 2
- Set ports 11-15 access vlan 2
- Set switch as root
- Exit configuration mode
- configure PCs giving each PC IP/Mask (refer to topology)
- *****

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- Troubleshooting
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- Display all vlans
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- Display spanning tree status on different vlans and trunk interfaces
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- Make sure that PC connected to that switch can access other PCs that are connected to different switches on the same vlan
- try to access switch remotely using telnet
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Thanks,..
See you next week (ISA),...