

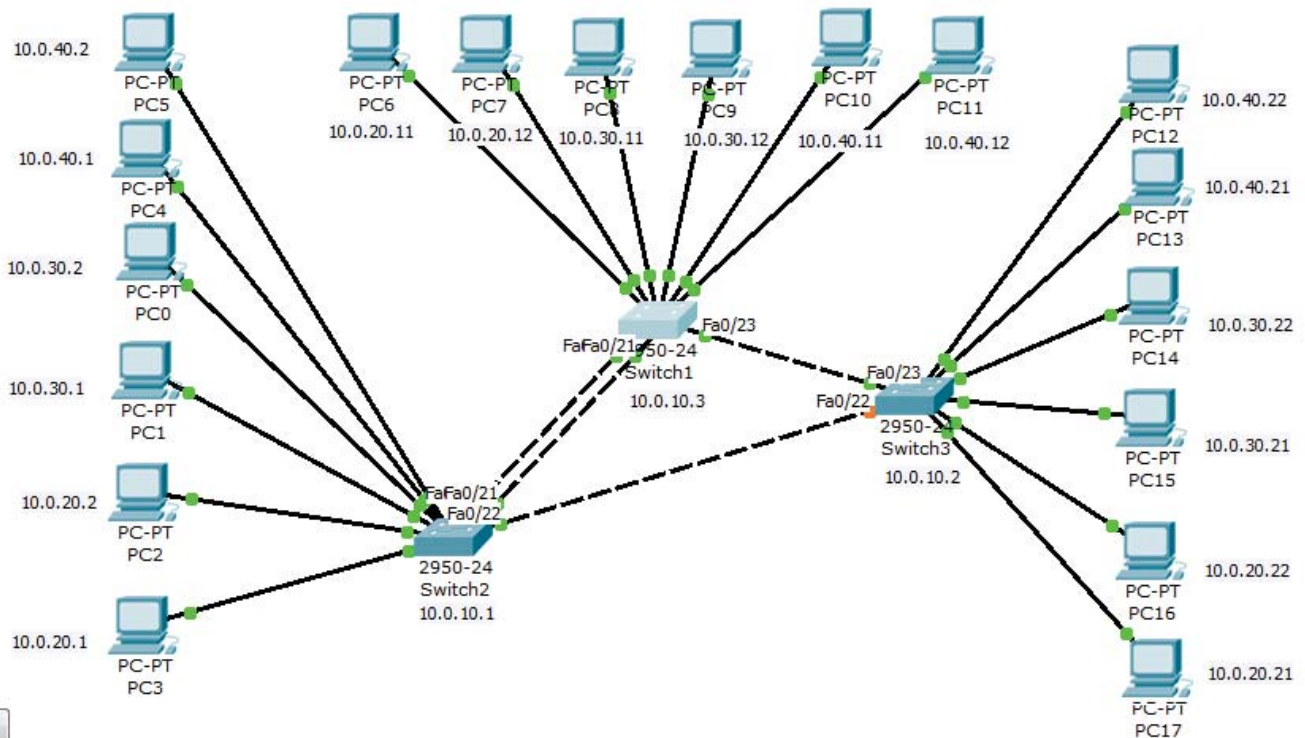
Lecture (09)

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

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- 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)
 - *****

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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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SW 02,03 steps

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- 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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- 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
 - *****
 - 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
 - *****

Thanks,..
See you next week (ISA),...