

Assignment-5

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Part - 1

1. Perform following exercise using 'Cisco Packet Tracer':

1. Create a network of two manageable L2 switches as shown in Figure 1. Ensure that machines and devices in same VLAN can ping each other. Also ensure that switches can telnet to each other.

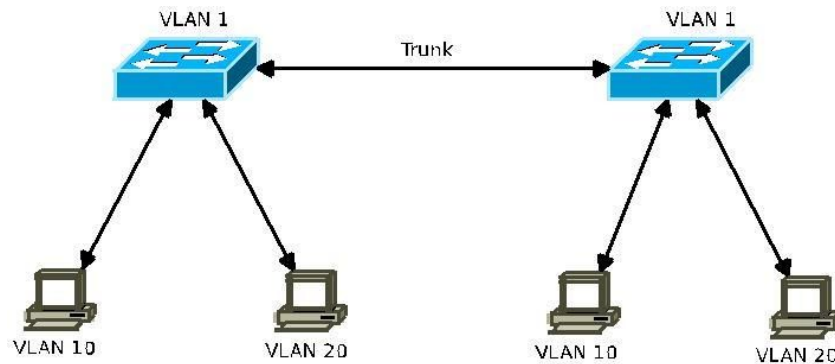


Figure 1: Network of two L2 switches

2. Create a network based on a L3 switch as shown in Figure 2. Ensure that all devices are able to ping each other. Also ensure that any device can be used to telnet to any switch.

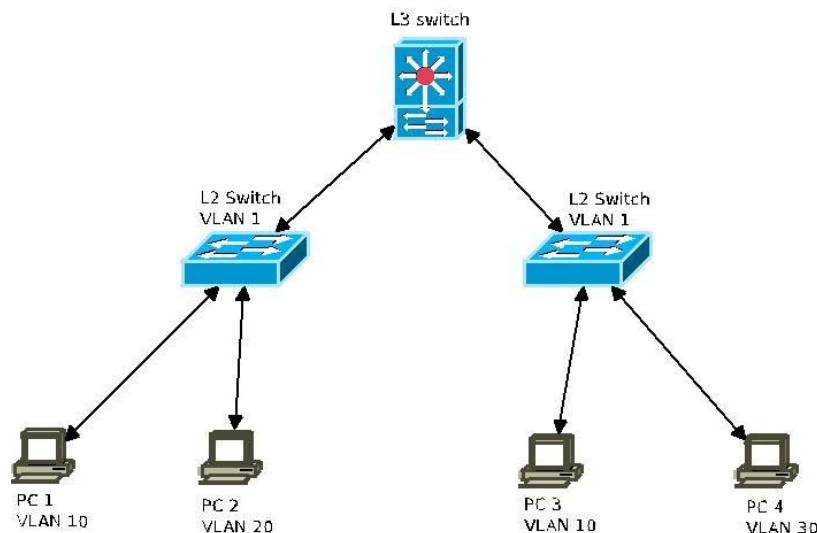


Figure 2: Network based on a L3 switch

3. Create a network based on L3 switches as shown in Figure 3. Ensure that all devices are able to ping each other. Also ensure that any device can be used to telnet to any switch. Note that not all switches are in VLAN 1.

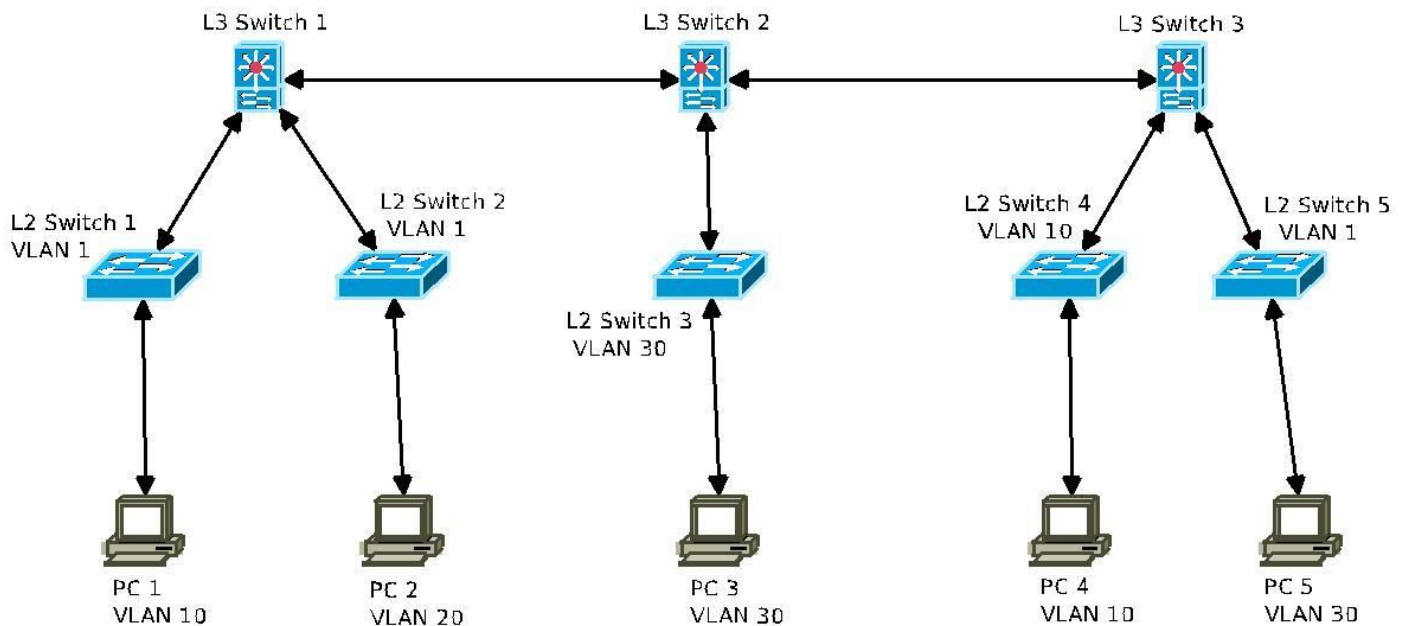


Figure 3: Network based on L3 switches

Note:

- Console password (Must always be 'iiit123')
- Vty password (Must always be 'iiit123')
- Enable secret (Must always be 'iiit123')

2. **Submission Format:** Put all the pkt files in a single zipped folder named

rollnumber1_rollnumber2.zip

3. Grading:

- Correct Implementation
- Viva

4. Policies:

- Penalties will be there for any form of academic dishonesty, plagiarism, etc. There should be no downloaded code.
- Software for checking plagiarism of the code will be used.

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