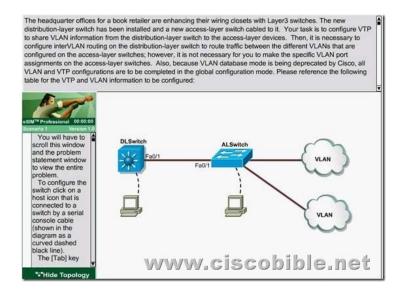
CCNP BCMSN(642-812) Lab - VTP

VLAN Trunk Protocol (VTP) reduces administration in a switched network. When you configure a new VLAN on one VTP server, the VLAN is distributed through all switches in the domain. This reduces the need to configure the same VLAN everywhere. VTP is a Cisco-proprietary protocol that is available on most of the Cisco Catalyst series products.

There is a Lab(about VTP) in the cisco CCNP BCMSN 642-812 exam.



Requirements:

VTP Domain name cisco

VLAN Ids 20

21

IP Addresses 172.16.71.1/24 172.16.132.1/24

These are your specific tasks:

1. Configure the VTP information with the distribution layer switch as the VTP server

- 2. Configure the VTP information with the access layer switch as a VTP client
- 3. Configure VLANs on the distribution layer switch
- 4. Configure inter-VLAN routing on the distribution layer switch
- 5. Specific VLAN port assignments will be made as users are added to the access layer switches in the future.
- 6. All VLANs and VTP configurations are to completed in the global configuration To configure the switch click on the host icon that is connected to the switch be way of a serial console cable.

Solutions

1. Configure the VTP information with the distribution layer switch as the VTP server

DLSwitch#conf t
DLSwitch(config)#vtp mode server
DLSwitch(config)#vtp domain CISCO

2. Configure VLANs on the distribution layer switch

DLSwitch(config)#vlan 20 DLSwitch(config)#vlan 21

3. Configure Ip address for Vlans:

DLSwitch(config)#int vlan 20

DLSwitch(if-config)#ip add 172.16.71.1 255.255.255.0

DLSwitch(if-config)#no shut

DLSwitch(if-config)#int vlan 21

DLSwitch(if-config)#ip add 172.16.132.1 255.255.255.0

DLSwitch(if-config)#no shut

DLSwitch(if-config)#exit

4. Configure inter-VLAN routing on the distribution layer switch

DLSwitch#ip routing

DLSwitch#copy run start

5. Configure the VTP information with the access layer switch as a VTP client

ALSwitch#conf t

ALSwitch(config)#vtp mode client

ALSwitch(config)#vtp domain CISCO

ALSwitch(config)#exit

ALSwitch#copy run start

That is all, hope to helpful for you. Best Luck for ur BCMSN 642-812 Exam.

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