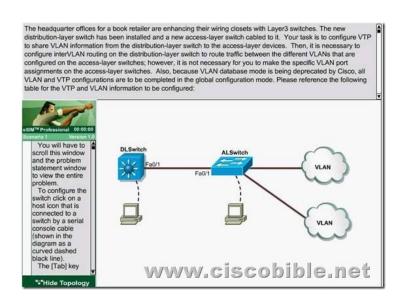
# CCNP BCMSN(642-812) Lab - VTP

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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