




## Lab Report




Your Score: 3 of 5 (60%)

Elapsed Time: 5 minutes 39 seconds




 Keep VLAN 1 membership for specific ports [Show Details](#) Configure VLAN 7 [Hide Details](#)

-  Create VLAN 7
-  Name the VLAN: Accounting
-  Add Fa0/4–5 as VLAN members





 Configure VLAN 9 [Hide Details](#)

-  Create VLAN 9
-  Name the VLAN: Research
-  Add Fa0/6–7 as VLAN members

 Configure VLAN 12 [Hide Details](#)

-  Create VLAN 12
-  Name the VLAN: Unused
-  Add Fa0/8–24 and Gi0/1–2 as VLAN members

 Save the changes [Hide Details](#)

-  Save VLAN 1 membership
-  Save VLAN 7 membership
-  Save VLAN 9 membership
-  Save VLAN 12 membership

## Explanation

In this lab, your task is to complete the following:

- Create the following VLANs and assign port membership as follows:

VLAN	Name	Port Membership
1	n/a	FastEthernet 0/1 FastEthernet 0/2 FastEthernet 0/3
7	Accounting	FastEthernet 0/4 FastEthernet 0/5
9	Research	FastEthernet 0/6 FastEthernet 0/7
12	Unused	FastEthernet0/8 to FastEthernet0/24 GigabitEthernet 0/1 GigabitEthernet 0/2

- Save your changes to the startup-config file when you are finished.

Complete the following to create a VLAN and assign members to the VLAN:

1. Select the **switch**.

2. Press **Enter**.
3. Enter at the prompt:

```
Bldg2>enable
Bldg2#configure terminal
Bldg2(config)#vlan 7
Bldg2(config-vlan)#name Accounting
Bldg2(config-vlan)#interface range fa0/4 - 5
Bldg2(config-if-range)#switchport access vlan 7
```

4. Press **Ctrl + Z**.
5. Repeat step 2 to create additional VLANs and assign members.
6. When you are finished, use the **copy run start** command in EXEC mode to save the changes.
7. Press **Enter**.
8. Press **Enter** to save your changes.

By default, VLAN 1 exists, and all ports are members of that VLAN. You do not need to assign membership for these switch ports.