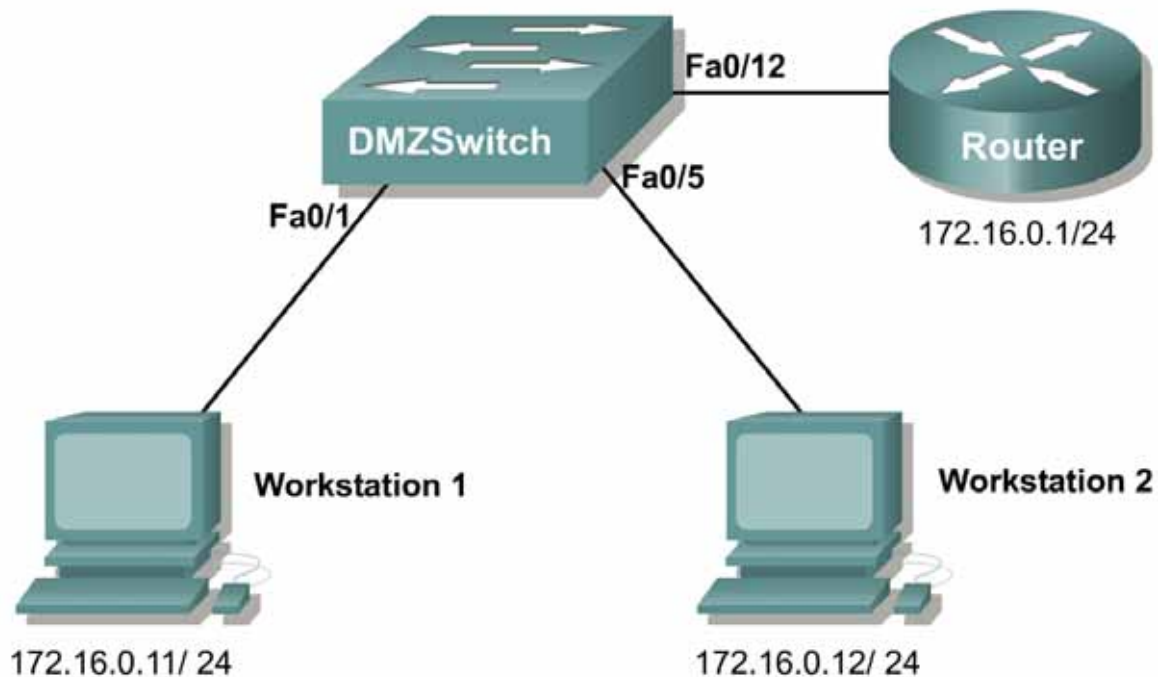


## Lab 7.2.4 Configuring Protected Ports



### Objective

The student will configure Private VLAN Edge protected ports.

### Equipment

The following equipment is required to complete this lab:

- Catalyst 3550 series or 2950 series switch
- IOS 12.1(11)EA1
- Router or a workstation acting as a router

### Scenario

Configure the DMZ switch so that the servers on ports 1 through 8 cannot interact directly with each other. All servers need to be able to communicate with the firewall connected to port 12.

### Step 1

Configure the network as shown in the diagram, including hostnames and IP addresses on both workstations and the router. Use the `ping` command to confirm connectivity between all the devices.

## Step 2

On the switch, configure ports 1 through 8.

---

<b>Note</b>	Include all spaces in the command.
-------------	------------------------------------

---

```
DMZSwitch(config)#interface range fa0/1 - 8
```

## Step 3

Enable port protection on these interfaces and then return to privileged EXEC mode.

```
DMZSwitch(config-if-range)#switchport protected
DMZSwitch(config-if-range)#end
DMZSwitch#
```

## Step 4

Attempt to **ping** between the workstations.

1. Was the **ping** successful? Why or why not?

Attempt to **ping** the router from either workstation.

2. Was the **ping** successful? Why or why not?

## Step 5

Disable port protection for Workstation 2, which is port FastEthernet 0/5, and return to privileged EXEC mode.

```
DMZSwitch#configure terminal
DMZSwitch#interface fastethernet 0/5
DMZSwitch(config-if)#no switchport protected
DMZSwitch(config-if)#end
DMZSwitch#
```

## Step 6

Attempt to **ping** between the workstations.

3. Was the **ping** successful? Why or why not?

Attempt to **ping** the router from Workstation 1.

4. Was the **ping** successful? Why or why not?

Attempt to **ping** the router from Workstation 2.

5. Was the **ping** successful? Why or why not?