

Switch Configuration:

Create VLANs

```
Switch(config)#hostname LAN-SW
```

```
LAN-SW(config)#vlan 10
```

```
LAN-SW(config-vlan)#name HR
```

```
LAN-SW(config-vlan)#exit
```

```
LAN-SW(config)#vlan 20
```

```
LAN-SW(config-vlan)#name SAL
```

```
LAN-SW(config-vlan)#exit
```

```
LAN-SW(config)#vlan 30
```

```
LAN-SW(config-vlan)#name IT
```

```
LAN-SW(config-vlan)#exit
```

Assign Interfaces to VLANs

```
LAN-SW(config)#interface e0/1
```

```
LAN-SW(config-if)#switchport access vlan 10
```

```
LAN-SW(config-if)#interface e0/2
```

```
LAN-SW(config-if)#switchport access vlan 20
```

```
LAN-SW(config-if)#interface e0/3
```

```
LAN-SW(config-if)#switchport access vlan 30
```

Trunk Interface

```
LAN-SW(config)#interface e0/0
```

```
LAN-SW(config-if)#switchport trunk encapsulation dot1q
```

```
LAN-SW(config-if)#switchport mode trunk
```

```
LAN-SW#show vlan br
```

VLAN	Name	Status	Ports
1	default	active	Et0/0, Et1/0, Et1/1, Et1/2, Et1/3
10	HR	active	Et0/1
20	SAL	active	Et0/2
30	IT	active	Et0/3
1002	fddi-default	act/unsup	
1003	token-ring-default	act/unsup	
1004	fddinet-default	act/unsup	
1005	trnet-default	act/unsup	