

6 Vlan:

Switch0:

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name ICE

Switch(config-vlan)#exit

Switch(config)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#exit

Switch(config)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#exit

Switch(config)#vlan 30

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#vlan 30

Switch(config-vlan)#name EEE

VLAN #40 and #30 have an identical name: EEE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

```
Switch(config)#int fa0/2
Switch(config-if)#switchport access vlan 40
Switch(config-if)#exit
Switch(config)#int fa0/3
Switch(config-if)#switchport access vlan 30
Switch(config-if)#
Switch con0 is now available
Press RETURN to get started.
```

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/4
Switch(config-if)#switchport mode trunk
```

```
Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,
changed state to down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,
changed state to up
```

```
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console
```

Switch#wr

Building configuration...

[OK]

Switch#

Switch con0 is now available

Press RETURN to get started.

Switch1:

Switch>en

Switch#conf t

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#vlan 10

Switch(config-vlan)#name ICE

Switch(config-vlan)#exit

Switch(config)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 20

```
Switch(config-if)#exit
```

```
Switch(config)#int fa0/3
```

```
Switch(config-if)#switchport access vlan 30
```

```
Switch(config-if)#exit
```

```
Switch(config)#
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,  
changed state to down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,  
changed state to up
```

```
Switch(config)#int fa0/4
```

```
Switch(config-if)#switchport mode trunk
```

```
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
```

```
Switch(config-if)#exit
```

```
Switch(config)#exit
```

```
Switch#
```

```
%SYS-5-CONFIG_I: Configured from console by console
```

```
Switch#wr
```

```
Building configuration...
```

```
[OK]
```

```
Switch#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Switch(config)#int fa0/5
```

```
Switch(config-if)#switchport mode trunk
```

```
^
```

```
% Invalid input detected at '^' marker.
```

```
Switch(config-if)#switchport mode trunk
```

```
Switch(config-if)#
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5,  
changed state to down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5,  
changed state to up
```

```
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
```

```
Switch(config-if)#exit
```

```
Switch(config)#exit
```

```
Switch#
```

```
%SYS-5-CONFIG_I: Configured from console by console
```

```
Switch#wr
```

```
Building configuration...
```

```
[OK]
```

```
Switch#
```

```
Switch con0 is now available
```

```
Press RETURN to get started.
```

Switch2:

```
Switch>en
```

```
Switch#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Switch(config)#vlan 10
```

Switch(config-vlan)#name ICE

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name CSE

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name EECE

Switch(config-vlan)#vlan 40

Switch(config-vlan)#name EEE

Switch(config-vlan)#exit

Switch(config)#int fa0/1

Switch(config-if)#switchport access vlan 10

Switch(config-if)#exit

Switch(config)#int fa0/2

Switch(config-if)#switchport access vlan 20

Switch(config-if)#exit

Switch(config)#int fa0/3

Switch(config-if)#switchport access vlan 40

Switch(config-if)#exit

Switch(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5,
changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/5,
changed state to up

Switch(config)#int fa0/5

Switch(config-if)#switchport mode trunk

Switch(config-if)#switchport trunk allowed vlan 10,20,30,40

Switch(config-if)#exit

```
Switch(config)#int fa0/4
```

```
Switch(config-if)#switchport mode trunk
```

```
Switch(config-if)#
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,  
changed state to down
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4,  
changed state to up
```

```
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
```

```
Switch(config-if)#exit
```

```
Switch(config)#exit
```

```
Switch#
```

```
%SYS-5-CONFIG_I: Configured from console by console
```

```
Switch#wr
```

```
Building configuration...
```

```
[OK]
```

```
Switch#
```

```
Switch con0 is now available
```

```
Press RETURN to get started.
```

Switch3:

```
Switch>en
```

```
Switch#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
Switch(config)#vlan 10
```

```
Switch(config-vlan)#name ICE
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name CSE
Switch(config-vlan)#vlan 30
Switch(config-vlan)#name EECE
Switch(config-vlan)#vlan 40
Switch(config-vlan)#name EEE
Switch(config-vlan)#exit
Switch(config)#int fa0/1
Switch(config-if)#switchport access vlan 20
Switch(config-if)#exit
Switch(config)#int fa0/3
Switch(config-if)#switchport access vlan 30
Switch(config-if)#exit
Switch(config)#int fa0/2
Switch(config-if)#switchport access vlan 40
Switch(config-if)#exit
Switch(config)#int fa0/4
Switch(config-if)#switchport mode trunk
Switch(config-if)#switchport trunk allowed vlan 10,20,30,40
Switch(config-if)#exit
Switch(config)#exit
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#wr
Building configuration...
```


[OK]

Switch#show vlan brief

VLAN Name	Status	Ports

1 default	active	Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig1/1, Gig1/2
10 ICE	active	
20 CSE	active	Fa0/1
30 EECE	active	Fa0/3
40 EEE	active	Fa0/2
1002 fddi-default	active	
1003 token-ring-default	active	
1004 fddinet-default	active	
1005 trnet-default	active	

Switch#

