

Switch 1 (Command Line Interface)

```
Processor board ID FOC1010X104
Last reset from power-on
1 Virtual Ethernet interface
24 FastEthernet interfaces
2 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
64K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address : 00:D0:58:51:87:E1
Motherboard assembly number : 73-10390-03
Power supply part number : 341-0097-02
Motherboard serial number : FOC10093R12
Power supply serial number : AZS1007032H
Model revision number : B0
Motherboard revision number : B0
Model number : WS-C2960-24TT-L
System serial number : FOC1010X104
Top Assembly Part Number : 800-27221-02
Top Assembly Revision Number : A0
Version ID : V02
CLEI Code Number : COM3L00BRA
Hardware Board Revision Number : 0x01
```

Switch Ports Model SW Version SW Image

```
* 1 26 WS-C2960-24TT-L 15.0(2)SE4 C2960-LANBASEK9-M
```

```
Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4,
RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
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Compiled Wed 26-Jun-13 02:49 by mnguyen
```

Press RETURN to get started!

```
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed
state to up
```

```
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to
up
```

```
%LINK-5-CHANGED: Interface FastEthernet0/7, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up
```

```
%LINK-5-CHANGED: Interface FastEthernet0/13, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/13, changed state to up
```

```
Switch>enable
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 10
Switch(config-vlan)#name IT
Switch(config-vlan)#vlan 20
Switch(config-vlan)#name HR
Switch(config-vlan)#vlan 30
Switch(config-vlan)#name Management
Switch(config-vlan)#vlan 99
Switch(config-vlan)#name Unused
Switch(config-vlan)#vlan 999
Switch(config-vlan)#name Native
Switch(config-vlan)#interface range fa0/1-6
Switch(config-if-range)#switchport mode acces
Switch(config-if-range)#switchport access vlan
% Incomplete command.
Switch(config-if-range)#switchport access vlan 10
Switch(config-if-range)#interface range fa0/7-12
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 20
Switch(config-if-range)#interface range fa0/13-18
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 30
Switch(config-if-range)#interface range fa0/19-24
Switch(config-if-range)#interface range fa0/19-24, G0/2
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 99
Switch(config-if-range)#shutdown
```

```
%LINK-5-CHANGED: Interface FastEthernet0/19, changed state to administratively down
```

```
%LINK-5-CHANGED: Interface FastEthernet0/20, changed state to administratively down
```

```
%LINK-5-CHANGED: Interface FastEthernet0/21, changed state to administratively down
```

```
%LINK-5-CHANGED: Interface FastEthernet0/22, changed state to administratively down
```

```
%LINK-5-CHANGED: Interface FastEthernet0/23, changed state to administratively down
```

```
%LINK-5-CHANGED: Interface FastEthernet0/24, changed state to administratively down

%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to administratively down
Switch(config-if-range)#
Switch(config-if-range)#interface G0/1
Switch(config-if)#switchport mode trunk

Switch(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

Switch(config-if)#switchport trunk native vlan 999
Switch(config-if)#
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with Switch GigabitEthernet0/1 (1).
%SPANTREE-2-RECV_PVID_ERR: Received BPDU with inconsistent peer vlan id 1 on GigabitEthernet0/1 VLAN999.

%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking GigabitEthernet0/1 on VLAN0999. Inconsistent local vlan.

%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (999), with Switch GigabitEthernet0/1 (1).
%SPANTREE-2-UNBLOCK_CONSIST_PORT: Unblocking GigabitEthernet0/1 on VLAN0001. Port consistency restored.

%SPANTREE-2-UNBLOCK_CONSIST_PORT: Unblocking GigabitEthernet0/1 on VLAN0999. Port consistency restored.

Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#show vlan brief

VLAN Name Status Ports
-----
1 default active
10 IT active Fa0/1, Fa0/2, Fa0/3, Fa0/4
Fa0/5, Fa0/6
20 HR active Fa0/7, Fa0/8, Fa0/9, Fa0/10
Fa0/11, Fa0/12
30 Management active Fa0/13, Fa0/14, Fa0/15, Fa0/16
Fa0/17, Fa0/18
```

```
99 Unused active Fa0/19, Fa0/20, Fa0/21, Fa0/22  
Fa0/23, Fa0/24, Gig0/2
```

```
999 Native active
```

```
1002 fddi-default active
```

```
1003 token-ring-default active
```

```
1004 fddinet-default active
```

```
1005 trnet-default active
```

```
Switch#show interfaces trunk
```

```
Port Mode Encapsulation Status Native vlan
```

```
Gig0/1 on 802.1q trunking 999
```

```
Port Vlans allowed on trunk
```

```
Gig0/1 1-1005
```

```
Port Vlans allowed and active in management domain
```

```
Gig0/1 1,10,20,30,99,999
```

```
Port Vlans in spanning tree forwarding state and not pruned
```

```
Gig0/1 1,10,20,30,99,999
```

```
Switch#conf t
```

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

```
Switch(config)#interface vlan 30
```

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

```
%LINK-5-CHANGED: Interface Vlan30, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan30, changed state to up
```

```
Switch(config-if)#ip address 192.168.30.1 255.255.255.0
```

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

```
Switch#
```

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

```
Switch#copy run start
```

```
Destination filename [startup-config]?
```

```
Building configuration...
```

```
[OK]
```

```
Switch#
```

```
Switch con0 is now available
```

Press RETURN to get started.

Switch 2 (Command Line Interface)

24 FastEthernet interfaces
2 Gigabit Ethernet interfaces
The password-recovery mechanism is enabled.
64K bytes of flash-simulated non-volatile configuration memory.
Base ethernet MAC Address : 00:00:0C:81:60:29
Motherboard assembly number : 73-10390-03
Power supply part number : 341-0097-02
Motherboard serial number : FOC10093R12
Power supply serial number : AZS1007032H
Model revision number : B0
Motherboard revision number : B0
Model number : WS-C2960-24TT-L
System serial number : FOC1010X104
Top Assembly Part Number : 800-27221-02
Top Assembly Revision Number : A0
Version ID : V02
CLEI Code Number : COM3L00BRA
Hardware Board Revision Number : 0x01

Switch Ports Model SW Version SW Image

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Press RETURN to get started!

%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/7, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/7, changed state to up

%LINK-5-CHANGED: Interface FastEthernet0/13, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/13, changed state to up

Switch>enable

Switch#conf t

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

Switch(config)#vlan 10

Switch(config-vlan)#name IT

Switch(config-vlan)#vlan 20

Switch(config-vlan)#name HR

Switch(config-vlan)#vlan 30

Switch(config-vlan)#name Management

Switch(config-vlan)#vlan 99

Switch(config-vlan)#name Unused_Ports

Switch(config-vlan)#vlan 999

Switch(config-vlan)#name Native

Switch(config-vlan)#interface range fa0/1-6

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport access vlan 10

Switch(config-if-range)#interface range fa0/7-12

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport access vlan 20

Switch(config-if-range)#interface range fa0/13-18

Switch(config-if-range)#switchport mode access

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

Switch(config-if-range)#interface range fa0/19-24, G0/2

Switch(config-if-range)#switchport mode access

Switch(config-if-range)#switchport access vlan 99

Switch(config-if-range)#shutdown

%LINK-5-CHANGED: Interface FastEthernet0/19, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/20, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/21, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/22, changed state to administratively down

%LINK-5-CHANGED: Interface FastEthernet0/23, changed state to administratively down

```
%LINK-5-CHANGED: Interface FastEthernet0/24, changed state to administratively down  
%LINK-5-CHANGED: Interface GigabitEthernet0/2, changed state to administratively down  
Switch(config-if-range)#  
Switch(config-if-range)#%SPANTREE-2-RECV_PVID_ERR: Received 802.1Q BPDU on non trunk GigabitEthernet0/1 VLAN1.  
  
%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking GigabitEthernet0/1 on VLAN0001. Inconsistent port type.  
  
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to down  
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up  
%SPANTREE-2-RECV_PVID_ERR: Received BPDU with inconsistent peer vlan id 999 on GigabitEthernet0/1 VLAN1.  
  
%SPANTREE-2-BLOCK_PVID_LOCAL: Blocking GigabitEthernet0/1 on VLAN0001. Inconsistent local vlan.  
  
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with Switch GigabitEthernet0/1 (999).  
  
Switch(config-if-range)#interface G0/1  
Switch(config-if)#switchport mode trunk  
Switch(config-if)#swit  
%CDP-4-NATIVE_VLAN_MISMATCH: Native VLAN mismatch discovered on GigabitEthernet0/1 (1), with Switch GigabitEthernet0/1 (999).  
% Incomplete command.  
Switch(config-if)#interface G0/1  
Switch(config-if)#switchport mode trunk  
Switch(config-if)#switchport trunk native vlan 999  
Switch(config-if)#%SPANTREE-2-UNBLOCK_CONSIST_PORT: Unblocking GigabitEthernet0/1 on VLAN0999. Port consistency restored.  
  
%SPANTREE-2-UNBLOCK_CONSIST_PORT: Unblocking GigabitEthernet0/1 on VLAN0001. Port consistency restored.  
  
Switch(config-if)#end  
Switch#  
%SYS-5-CONFIG_I: Configured from console by console  
  
Switch#show vlan brief
```

VLAN Name Status Ports

```
1 default active
10 IT active Fa0/1, Fa0/2, Fa0/3, Fa0/4
Fa0/5, Fa0/6
20 HR active Fa0/7, Fa0/8, Fa0/9, Fa0/10
Fa0/11, Fa0/12
30 Management active Fa0/13, Fa0/14, Fa0/15, Fa0/16
Fa0/17, Fa0/18
99 Unused_Ports active Fa0/19, Fa0/20, Fa0/21, Fa0/22
Fa0/23, Fa0/24, Gig0/2
999 Native active
1002 fddi-default active
1003 token-ring-default active
1004 fddinet-default active
1005 trnet-default active
Switch#show interfaces trunk
Port Mode Encapsulation Status Native vlan
Gig0/1 on 802.1q trunking 999
```

Port Vlans allowed on trunk
Gig0/1 1-1005

Port Vlans allowed and active in management domain
Gig0/1 1,10,20,30,99,999

Port Vlans in spanning tree forwarding state and not pruned
Gig0/1 1,10,20,30,99,999

```
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface vlan 30
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan30, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan30, changed state to up

Switch(config-if)#ip address 192.168.30.2 255.255.255.0
Switch(config-if)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#copy run start
Destination filename [startup-config]?
Building configuration...
[OK]
Switch#
```

Switch con0 is now available

Press RETURN to get started.