

## 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

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\* 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 access

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

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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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Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4,  
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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\_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.