



Manager

Manager

Physical Config Desktop Programming

Terminal

```

C2960 Boot Loader (C2960-HBOOT-M) Version 12.2(25r)FX, RELEASE SOFTWARE (fc4)
Cisco WS-C2960-24TT (RC32300) processor (revision C0) with 21039K bytes of memory.
2960-24TT starting...
Base ethernet MAC Address: 0001.64E6.6436
Xmodem file system is available.
Initializing Flash...
flashfs[0]: 1 files, 0 directories
flashfs[0]: 0 orphaned files, 0 orphaned directories
flashfs[0]: Total bytes: 64016384
flashfs[0]: Bytes used: 4414921
flashfs[0]: Bytes available: 59601463
flashfs[0]: flashfs fsck took 1 seconds.
...done Initializing Flash.

Boot Sector Filesystem (bs:) installed, fsid: 3
Parameter Block Filesystem (pb:) installed, fsid: 4

Loading "flash:/c2960-lanbase-mz.122-25.FX.bin"...
##### [OK]
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    170 West Tasman Drive
    San Jose, California 95134-1706
Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fc1)
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Compiled Wed 26-Jun-13 02:49 by mnnguyen
Initializing flashfs...
fsck: Disable shadow buffering due to heap fragmentation.
flashfs[2]: 2 files, 1 directories
flashfs[2]: 0 orphaned files, 0 orphaned directories
flashfs[2]: Total bytes: 32514048
flashfs[2]: Bytes used: 11952128
flashfs[2]: Bytes available: 20561920
flashfs[2]: flashfs fsck took 2 seconds.
flashfs[2]: Initialization complete....done Initializing flashfs.
Checking for Bootloader upgrade..
Boot Loader upgrade not required (Stage 2)
POST: CPU MIC register Tests : Begin
POST: CPU MIC register Tests : End, Status Passed
POST: PortASIC Memory Tests : Begin
POST: PortASIC Memory Tests : End, Status Passed
POST: CPU MIC interface Loopback Tests : Begin
POST: CPU MIC interface Loopback Tests : End, Status Passed
POST: PortASIC RingLoopback Tests : Begin
POST: PortASIC RingLoopback Tests : End, Status Passed
POST: PortASIC CAM Subsystem Tests : Begin
  
```

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POST: PortASIC RingLoopback Tests : Begin
POST: PortASIC RingLoopback Tests : End, Status Passed
POST: PortASIC CAM Subsystem Tests : Begin
POST: PortASIC CAM Subsystem Tests : End, Status Passed
POST: PortASIC Port Loopback Tests : Begin
POST: PortASIC Port Loopback Tests : End, Status Passed
Waiting for Port download...Complete

```

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```

cisco WS-C2960-24TT-L (PowerPC405) processor (revision B0) with 65536K bytes of memory.
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       : 00:01:64:E6:64:36
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

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```

Press RETURN to get started!

%LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, 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

Switch>enable
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#configure
^
% Invalid input detected at '^' marker.

Switch(config)#hostname Room-145
Room-145(config)#line console 0
Room-145(config-line)#password 8ubRu
Room-145(config-line)#login
Room-145(config-line)#exit
Room-145(config)#line vty ?
<0-15> First Line number
Room-145(config)#line vty 0 15
Room-145(config-line)#password 8ubRu
Room-145(config-line)#login
Room-145(config-line)#exit
Room-145(config)#enable secret C9WrE
Room-145(config)#service password-encryption
Room-145(config)#banner motd &Access is blocked for unauthorized people&
Room-145(config)#interface vlan 1
Room-145(config-if)#ip address 172.16.5.35
% Incomplete command.
Room-145(config-if)#ip address 172.16.5.35 255.255.255.0
Room-145(config-if)#no shutdown

Room-145(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

Room-145(config-if)#^Z
^
% Invalid input detected at '^' marker.

Room-145(config-if)#
Room-145(config-if)#enable
^
% Invalid input detected at '^' marker.

```

```

Room-145(config-if)#^Z
^
% Invalid input detected at '^' marker.

Room-145(config-if)#
Room-145(config-if)#enable
^
% Invalid input detected at '^' marker.

Room-145(config-if)#^
^
% Invalid input detected at '^' marker.

Room-145(config-if)#^Z
^
% Invalid input detected at '^' marker.

Room-145(config-if)#no shutdown
Room-145(config-if)#exit
Room-145(config)#exit
Room-145#
%SYS-5-CONFIG_I: Configured from console by console

Room-145#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Room-145#

```

Manager

Physical Config Desktop Programming

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 172.16.5.50

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Manager

Physical Config Desktop Programming

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.16.5.60

Pinging 172.16.5.60 with 32 bytes of data:

Reply from 172.16.5.60: bytes=32 time<1ms TTL=128
Reply from 172.16.5.60: bytes=32 time<1ms TTL=128
Reply from 172.16.5.60: bytes=32 time<1ms TTL=128
Reply from 172.16.5.60: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.5.60:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```


Reception



Physical Config Desktop Programming

Terminal

```
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Base ethernet MAC Address: 0060.2F52.1571
Xmodem file system is available.
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POST: PortASIC Ringloopback Tests : End, Status Passed
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POST: PortASIC CAM Subsystem Tests : End, Status Passed
POST: PortASIC Port Loopback Tests : Begin
POST: PortASIC Port Loopback Tests : End, Status Passed
Waiting for Port download...Complete

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to comply with U.S. and local laws, return this product immediately.
A summary of U.S. laws governing Cisco cryptographic products may be found at:
http://www.cisco.com/wwl/export/crypto/tool/stqrg.html
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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

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Press RETURN to get started!

```

```

Press RETURN to get started!

%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 FastEthernet0/2, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up

Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname Room-146
Room-146(config)#line console 0
Room-146(config-line)#password 8ubRu
Room-146(config-line)#exit
Room-146(config)#line vt
% Incomplete command.
Room-146(config)#line vty 0 15
Room-146(config-line)#password 8ubRu
Room-146(config-line)#login
Room-146(config-line)#exit
Room-146(config)#enable secret C9WrE
Room-146(config)#service password-encryption
Room-146(config)#banner motd &Access is blocked for unauthorized people&
Room-146(config)#interface vlan 1
Room-146(config-if)#ip address 172.16.5.40 255.255.255.0
Room-146(config-if)#no shutdown

Room-146(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

Room-146(config-if)#^Z
Room-146#
%SYS-5-CONFIG_I: Configured from console by console

Room-146#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
Room-146#

```

Reception

Physical Config **Desktop** Programming

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 172.16.5.60

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Reception

Physical Config **Desktop** Programming

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 172.16.5.50

Pinging 172.16.5.50 with 32 bytes of data:

Reply from 172.16.5.50: bytes=32 time<1ms TTL=128
Reply from 172.16.5.50: bytes=32 time<1ms TTL=128
Reply from 172.16.5.50: bytes=32 time=3ms TTL=128
Reply from 172.16.5.50: bytes=32 time<1ms TTL=128

Ping statistics for 172.16.5.50:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>
```