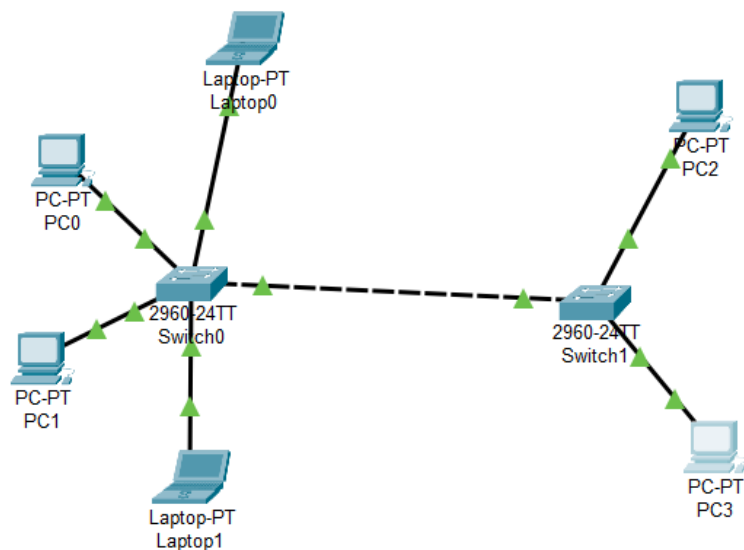


Практика 4



Команда ? - выводит список команд и описание к ним

```
Switch>?
Exec commands:
  connect      Open a terminal connection
  disable      Turn off privileged commands
  disconnect   Disconnect an existing network connection
  enable       Turn on privileged commands
  exit         Exit from the EXEC
  logout       Exit from the EXEC
  ping         Send echo messages
  resume       Resume an active network connection
  show         Show running system information
  ssh          Open a secure shell client connection
  telnet       Open a telnet connection
  terminal     Set terminal line parameters
  traceroute   Trace route to destination
```

Команда show – показывает результат работы команды

```
Switch>show ?
arp          Arp table
cdp          CDP information
clock        Display the system clock
crypto       Encryption module
dtp          DTP information
etherchannel EtherChannel information
flash:       display information about flash: file system
history      Display the session command history
interfaces   Interface status and configuration
ip           IP information
lldp         LLDP information
mac          MAC configuration
mac-address-table MAC forwarding table
mls          Show MultiLayer Switching information
privilege    Show current privilege level
sessions     Information about Telnet connections
ssh          Status of SSH server connections
tcp          Status of TCP connections
terminal     Display terminal configuration parameters
users        Display information about terminal lines
version      System hardware and software status
vlan         VTP VLAN status
```

Команда enabled – переход в привилегированный режим

Команда configure terminal – переход в привилегированный режим

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
```

Команда enable password * - устанавливаем пароль на терминал.

```
Switch(config)#enable password bocha
```

Команда enable secret * - в отличие от прошлой команды хранит пароль в зашифрованном виде.

```
Switch(config)#enable secret bocha
The enable secret you have chosen is the same as your enable password.
This is not recommended. Re-enter the enable secret.
```

Команда write memory – сохраняет изменения в конфигурации

```
Switch#write memory
Building configuration...
[OK]
```

Команда reload – перезагрузка устройства

```
Switch#reload
Proceed with reload? [confirm]
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: 0090.2BE7.3AD2
Xmodem file system is available.
Initializing Flash...
flashfs[0]: 2 files, 0 directories
flashfs[0]: 0 orphaned files, 0 orphaned directories
flashfs[0]: Total bytes: 64016384
flashfs[0]: Bytes used: 4671606
flashfs[0]: Bytes available: 59344778
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:/2960-lanbasek9-mz.150-2.SE4.bin"...
##### [OK]
Smart Init is enabled
smart init is sizing iomem
          TYPE      MEMORY_REQ
        TOTAL:    0x00000000
Rounded IOMEM up to: 0Mb.
Using 6 percent iomem. [0Mb/512Mb]

          Restricted Rights Legend
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Software clause at DFARS sec. 252.227-7013.
          cisco Systems, Inc.
          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)
Technical Support: http://www.cisco.com/techsupport
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```

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Compiled Wed 26-Jun-13 02:49 by mnguyen
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
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

This product contains cryptographic features and is subject to United States and local country laws governing import, export, transfer and use. Delivery of Cisco cryptographic products does not imply third-party authority to import, export, distribute or use encryption. Importers, exporters, distributors and users are responsible for compliance with U.S. and local country laws. By using this product you agree to comply with applicable laws and regulations. If you are unable 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>
If you require further assistance please contact us by sending email to export@cisco.com.
cisco WS-C2960-24TT-L (PowerPC405) processor (revision B0) with 65536K bytes of memory.
Processor board ID FOC1010X104
Last reset from power-on

Switch>users
Translating "users"...domain server (255.255.255.255)
% Unknown command or computer name, or unable to find computer address