

Практическая работа №4

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1.

```
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
Switch>
```

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2.

```
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 syste
  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
--More-- |
```

3.

```
Switch>en
Switch#
```

4.

```
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#exit
Switch#
SYS-5-CONFIG_I: Configured from console by console
```

5.

```
Switch>en
Switch#conf t
Enter configuration commands, one pe
Switch(config)#enable password 1234
Switch>en
Password:
Switch#
```

6.

```
Switch(config)#enable secret 4422  
Switch(config)#ex
```

```
switch>en  
Password:  
Switch#
```

По сути своей как код от домофона

7.

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

8.

```

2000 still scaling...
Base ethernet MAC Address: 0009.7C96.1BE3
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: 4671605
flashfs[0]: Bytes available: 59344779
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"...
##### [
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]

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        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,
SOFTWARE (fcl)
Technical Support: http://www.cisco.com/techsupport
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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

```

Команда перезагружает коммутатор

Доп задание

```
Switch#show flash
Directory of flash:/
```

1	-rw-	4670455	<no date>	2960-lanbasek9-mz.150-2.SE4.bin
2	-rw-	1150	<no date>	config.text

```
64016384 bytes total (59344779 bytes free)
```

Выдает информацию о флеш памяти

```
Switch#show version
```

```
Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fc1)
```

```
Technical Support: http://www.cisco.com/techsupport
```

```
Copyright (c) 1986-2013 by Cisco Systems, Inc.
```

```
Compiled Wed 26-Jun-13 02:49 by mnnguyen
```

```
ROM: Bootstrap program is C2960 boot loader
```

```
BOOTLDR: C2960 Boot Loader (C2960-HBOOT-M) Version 12.2(25r)FX, RELEASE SOFTWARE (fc4)
```

```
Switch uptime is 39 minutes
```

```
System returned to ROM by power-on
```

```
System image file is "flash:c2960-lanbasek9-mz.150-2.SE4.bin"
```

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.

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<http://www.cisco.com/wvl/export/crypto/tool/stqrg.html>

Выдает информацию о версии ПО