

Практическая работа 4

1) команда «?»

```
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
```

Отображает список всех команд

2) команда «show»

```
Switch>show vlan
```

VLAN	Name	Status	Ports
1	default	active	Fa0/1, Fa0/2, Fa0/3, Fa0/4 Fa0/5, Fa0/6, Fa0/7, Fa0/8 Fa0/9, Fa0/10, Fa0/11, Fa0/12 Fa0/13, Fa0/14, Fa0/15, Fa0/16 Fa0/17, Fa0/18, Fa0/19, Fa0/20 Fa0/21, Fa0/22, Fa0/23, Fa0/24 Gig0/1, Gig0/2
1002	fddi-default	active	
1003	token-ring-default	active	
1004	fddinet-default	active	
1005	trnet-default	active	

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
1	enet	100001	1500	-	-	-	-	-	0	0
1002	fddi	101002	1500	-	-	-	-	-	0	0
1003	tr	101003	1500	-	-	-	-	-	0	0
1004	fdnet	101004	1500	-	-	-	ieee	-	0	0
1005	trnet	101005	1500	-	-	-	ibm	-	0	0

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode	Trans1	Trans2
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```
Remote SPAN VLANs
```

Отображает информацию об определённом элементе, указываемом в параметре (в данном случае vlan)

3) команда «enable»

```
Switch#
```

Включает привелегированный режим консоли

4) команда «conf t»

```
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
```

Позволяет настраивать глобальные настройки

5 и 6) команда «enable password» и «enable secret»

```
Switch(config)#enable password 1234
Switch(config)#enable secret 1234
The enable secret you have chosen is the same as your enable password.
This is not recommended. Re-enter the enable secret.
Switch(config)#enable secret 12345
Switch(config)#
```

Отличие в том что secret имеет больший приоритет и если установлены оба то используется только secret, а password игнорируется

7) команда «write memory» - не работает

8) команда «reload»

```
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: 0004.9A6C.CB97
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"...
##### [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
Use, duplication, or disclosure by the Government is
```

Перезагружает коммутатор