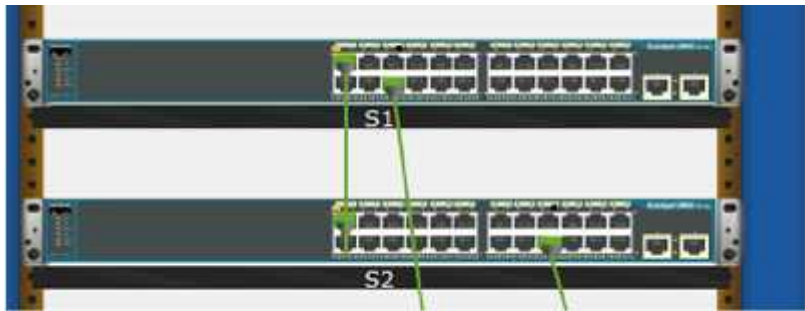


Таблица адресации

Устройство	Интерфейс	IP-адрес	Маска подсети
S1	VLAN 1	192.168.1.1	255.255.255.0
S2	VLAN 1	192.168.1.2	255.255.255.0
PC-A	NIC	192.168.1.10	255.255.255.0
PC-B	NIC	192.168.1.11	255.255.255.0

1.

- Inspect Front.
- «Zoom».
- Packet Tracer
- S1 S2
  - 
  - Cable Pegboard, FastEthernet0/1 S1, (Copper Cross-Over). Fastethernet0/1 S2,
  - Cable Pegboard, FastetherNet0/6 S1, (Copper Straight-Through). FastetherNet0 PC-A,
  - Cable Pegboard, FastetherNet0/18 S2, (Copper Straight-Through). FastetherNet0 PC-B,
  -



2.

IP-

- a. PC-A Desktop IP Configuration PC-A.
- b. PC-A
- c. PC-B
- d. PC-A Desktop Command Prompt ipconfig /all

IPv4 Address	192.168.1.10
Subnet Mask	255.255.255.0

IPv4 Address	192.168.1.11
Subnet Mask	255.255.255.0

- e. ping 192.168.1.11.

```
Pinging 192.168.1.11 with 32 bytes of data:

Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.11:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Packet Tracer PC Command Line 1.0

C:\> **ping 192.168.1.11**

Pinging 192.168.1.11 with 32 bytes of data:

```
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 192.168.1.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0 % loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

C:\>

### 3.

- a. Cable Pegboard, (Console).  
S1 PC-A.
- b. Switch>Switch#Switch(config)#
- c. EXEC — EXEC class. cisco,  
VLAN 1,
- d. MOTD
- e.
- f. IOS
- g.

```
Switch>enable
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#hostname S1
S1(config)#line console 0
S1(config-line)#password cisco
S1(config-line)#login
S1(config-line)#exit
S1(config)#enable password class
S1(config)#interface Vlan1
S1(config-if)#ip address 192.168.1.1
% Incomplete command.
S1(config-if)#ip address 192.168.1.1 255.255.255.0
S1(config-if)#banner motd "Unauthorized access"
S1(config)# exit
S1#
%SYS-5-CONFIG_I: Configured from console by console

S1#write
Building configuration...
[OK]
S1#show run
Building configuration...

Current configuration : 1180 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname S1
!
enable password class
!
!
!
!
!
!
spanning-tree mode pvst
```

```
interface Vlan1
 ip address 192.168.1.1 255.255.255.0
!
```

h.

S2.

	S1 Status	S1 Protocol	S2 Status	S2 Protocol
F0/1	OK	OK	OK	OK
F0/6	OK	OK	OK	OK
F0/18	OK	OK	OK	OK
VLAN 1	OK	OK	OK	OK

i. , ping S1 S2.

j. ping PC-A PC-B.

FastEthernet

?

ping?

ICMP ( ping)

VLAN

✓ Banner MOTO	Correct	1	Other
Console Line			
✓ Login	Correct	1	Physical
✓ Password	Correct	1	Other
✗ Enable Secret	Incorrect	1	Other
✓ Host Name	Correct	1	Other
✓ Physical Location	Correct	1	Physical
Ports			
FastEthernet0/1			
Link to S2			
✓ Connects to FastEthernet0/1	Correct	1	Physical
✗ Type	Incorrect	1	Physical
Vlan1			
✓ IP Address	Correct	1	Ip
✓ Port Status	Correct	1	Physical
✓ Subnet Mask	Correct	1	Ip
✓ Startup Config	Correct	1	Other
S2			
✓ Banner MOTO	Correct	1	Other
Console Line			
✓ Login	Correct	1	Physical
✓ Password	Correct	1	Other
✗ Enable Secret	Incorrect	1	Other
✓ Host Name	Correct	1	Other
✓ Physical Location	Correct	1	Physical
Ports			
FastEthernet0/1			
Link to S1			
✓ Connects to FastEthernet0/1	Correct	1	Physical
✗ Type	Incorrect	1	Physical
Vlan1			
✓ IP Address	Correct	1	Ip
✓ Port Status	Correct	1	Physical
✓ Subnet Mask	Correct	1	Ip
✓ Startup Config	Correct	1	Other