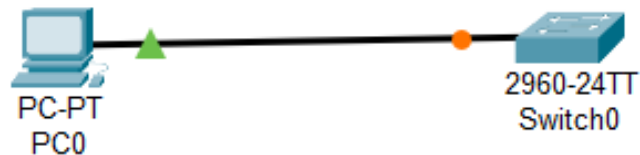


Практическая №15

Строим сеть.



Далее задаём Ip – адрес нашему коммутирующему устройству.

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int fa0/1
Switch(config-if)#int vlan 1
Switch(config-if)#no sh

Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

Switch(config-if)#ip address 192.168.0.2 255.255.255.0
Switch(config-if)#exit
```

Наведём курсор на Switch, и проверим нашу настройку:

Device Name: Switch0
Custom Device Model: 2960 IOS15
Hostname: Switch

Port	Link	VLAN	IP Address	MAC Address
FastEthernet0/1	Up	1	--	00D0.58AA.0301
FastEthernet0/2	Down	1	--	00D0.58AA.0302
FastEthernet0/3	Down	1	--	00D0.58AA.0303
FastEthernet0/4	Down	1	--	00D0.58AA.0304
FastEthernet0/5	Down	1	--	00D0.58AA.0305
FastEthernet0/6	Down	1	--	00D0.58AA.0306
FastEthernet0/7	Down	1	--	00D0.58AA.0307
FastEthernet0/8	Down	1	--	00D0.58AA.0308
FastEthernet0/9	Down	1	--	00D0.58AA.0309
FastEthernet0/10	Down	1	--	00D0.58AA.030A
FastEthernet0/11	Down	1	--	00D0.58AA.030B
FastEthernet0/12	Down	1	--	00D0.58AA.030C
FastEthernet0/13	Down	1	--	00D0.58AA.030D
FastEthernet0/14	Down	1	--	00D0.58AA.030E
FastEthernet0/15	Down	1	--	00D0.58AA.030F
FastEthernet0/16	Down	1	--	00D0.58AA.0310
FastEthernet0/17	Down	1	--	00D0.58AA.0311
FastEthernet0/18	Down	1	--	00D0.58AA.0312
FastEthernet0/19	Down	1	--	00D0.58AA.0313
FastEthernet0/20	Down	1	--	00D0.58AA.0314
FastEthernet0/21	Down	1	--	00D0.58AA.0315
FastEthernet0/22	Down	1	--	00D0.58AA.0316
FastEthernet0/23	Down	1	--	00D0.58AA.0317
FastEthernet0/24	Down	1	--	00D0.58AA.0318
GigabitEthernet0/1	Down	1	--	00D0.58AA.0319
GigabitEthernet0/2	Down	1	--	00D0.58AA.031A
Vlan1	Up	1	192.168.0.2/24	0090.2B6A.1043

Physical Location: Intercity > Home City > Corporate Office > Main Wiring Closet > Rack > Switch0

Тестируем, используя команду ping.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.2

Pinging 192.168.0.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.0.2: bytes=32 time<1ms TTL=255
Reply from 192.168.0.2: bytes=32 time<1ms TTL=255
Reply from 192.168.0.2: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>telnet 192.168.0.2
Trying 192.168.0.2 ...Open

[Connection to 192.168.0.2 closed by foreign host]
C:\>
```

Переходим в консоль Switch и пишем команду, для разрешения подключения через удалённый терминал:

```
Switch(config)#line vty 0 5
Switch(config-line)#pass 111
```

Проверяем команды нашего коммутирующего устройства.

```
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

--More--

Переходим опять в терминал Switch и продолжаем настройку.

```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTI
Switch(config)#line vty 0 5
Switch(config-line)#pass 111
Switch(config-line)#enable secret 123
```

Установили пароль для доступа конфигурации и теперь можем удалённо конфигурировать наше Switch – устройство.

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