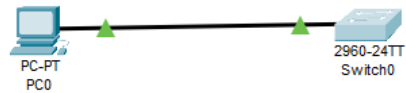
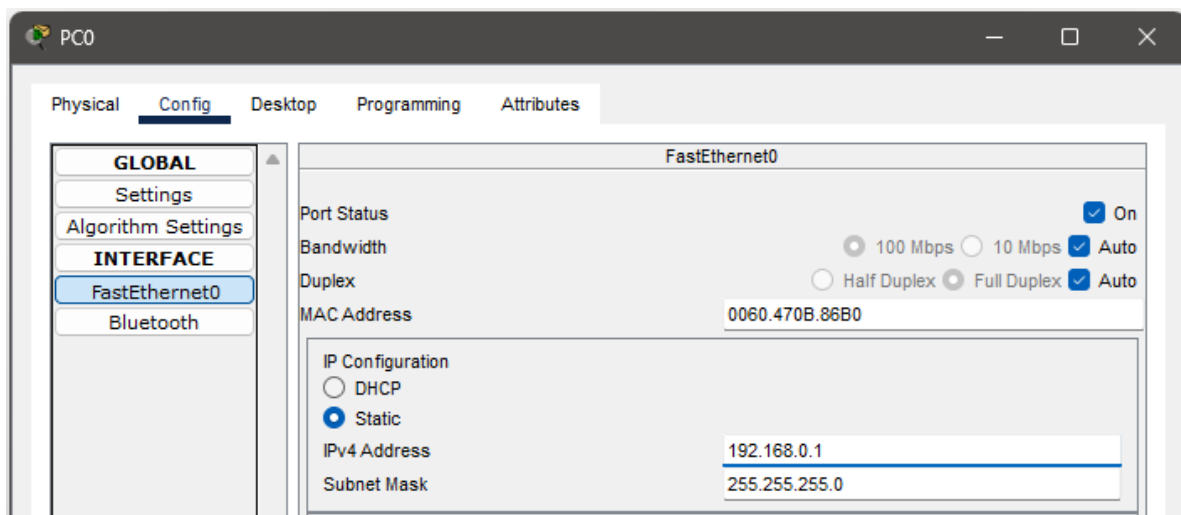


Практическая работа 18 – Настраиваем доступ по SSH

1. Создаем сеть.



2. Настраиваем PC0 и Switch.



```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 1
Switch(config-vlan)#exit
Switch(config)#int vlan 1
Switch(config-if)#ip address 192,168.0.2 255.255.255.0
Switch(config-if)#^
% Invalid input detected at '^' marker.

Switch(config-if)#ip address 192.168.0.2 255.255.255.0
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)#line vty 0 5
Switch(config-line)#pass 123
Switch(config-line)#login
Switch(config-line)#enable pass 123
Switch(config)#
```

3. Подключаем SSH.

```
Password:
Switch>en
Password:
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname swl
swl(config)#crypto key generate rsa
% Please define a domain-name first.
swl(config)#ip domain name Mzz
swl(config)#crypto key generate rsa
The name for the keys will be: swl.Mzz
Choose the size of the key modulus in the range of 360 to 4096 for your
  General Purpose Keys. Choosing a key modulus greater than 512 may take
  a few minutes.

How many bits in the modulus [512]: 700
% Generating 700 bit RSA keys, keys will be non-exportable...[OK]

swl(config)#ip ssh version 2
*Mar 1 0:11:17.627: RSA key size needs to be at least 768 bits for ssh version 2
*Mar 1 0:11:17.627: %SSH-5-ENABLED: SSH 1.5 has been enabled
Please create RSA keys (of at least 768 bits size) to enable SSH v2.
swl(config)#crypto key generate rsa
% You already have RSA keys defined named swl.Mzz .
% Do you really want to replace them? [yes/no]: yes
The name for the keys will be: swl.Mzz
Choose the size of the key modulus in the range of 360 to 4096 for your
  General Purpose Keys. Choosing a key modulus greater than 512 may take
  a few minutes.

How many bits in the modulus [512]: 768
% Generating 768 bit RSA keys, keys will be non-exportable...[OK]

swl(config)#ip ssh version 2
*Mar 1 0:11:48.873: %SSH-5-ENABLED: SSH 1.99 has been enabled
swl(config)#line vty 0 15
swl(config-line)#transport input ssh
swl(config-line)#exit
```

4. Пробуем получить доступ через telnet – неудачно.

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

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

5. Пробуем получить доступ через ssh.

```
C:\>ssh -l admin 192.168.0.2

Password:

Password:

swl>
```