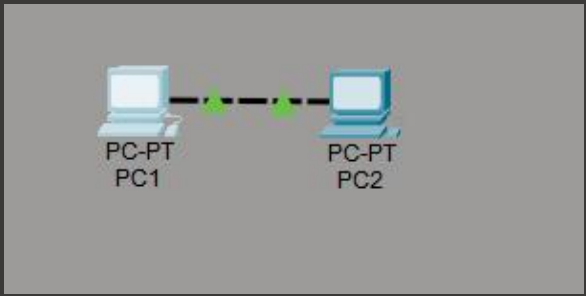
CISCO PACKET TRACER REPORT

Purpose of work: *Making of local network with using of routers, commutators and endpoints.*
Tasks: *Create a topology. Assing IP-adresses and routes. Check the links between endpoints.*

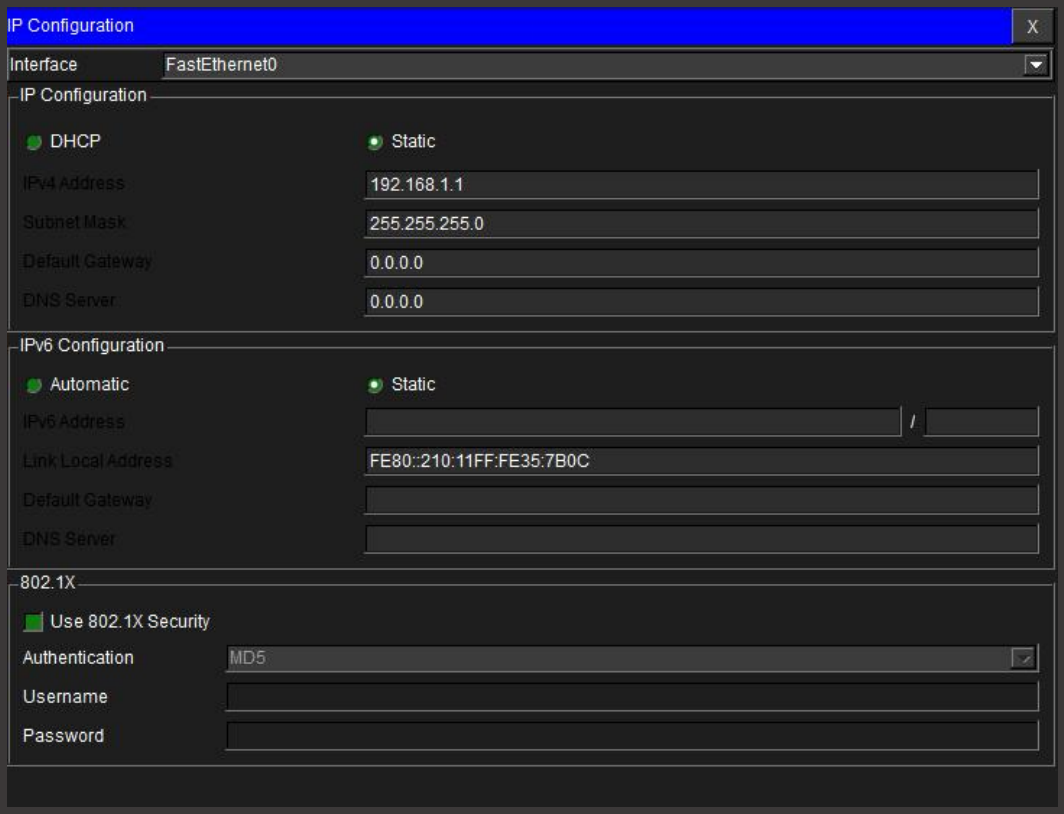
FIRST EXAMPLE OF NETWORK.
A basic network consisting of two endpoints, that are directly connected.
Official name of this topology `point-to-point network.`



Usually it is using for direct transfer between two endpoints (in case that endpoints are personal computers), two servers (for data replication), two firewalls, etc.

Process of creating:

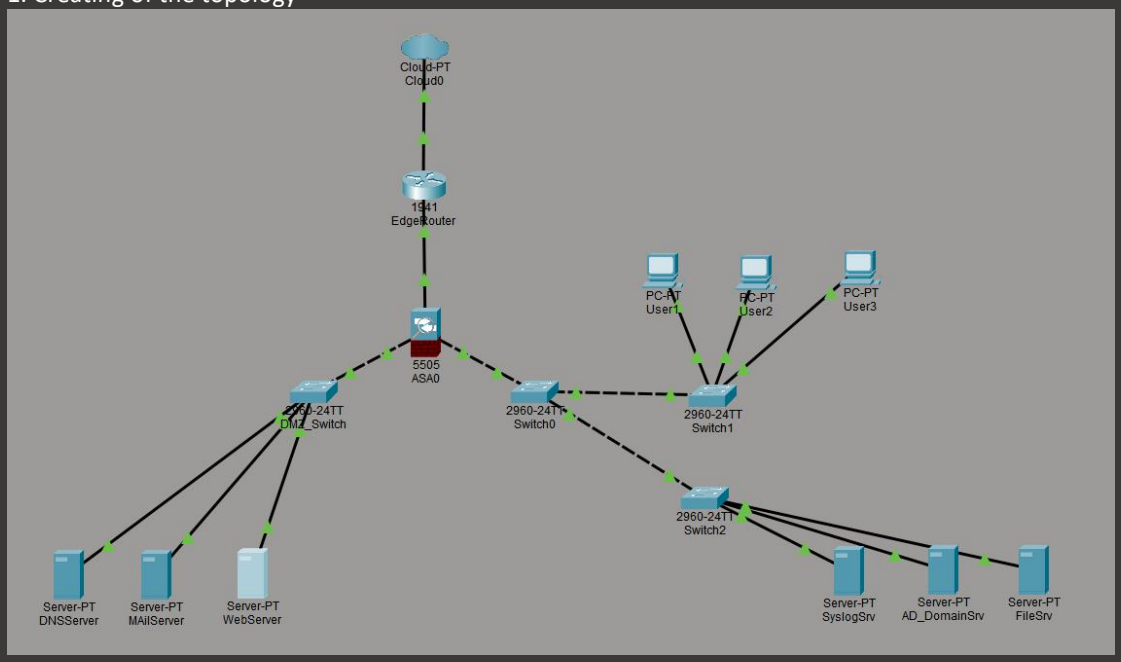
1. Assining IP-addresses for each endpoint.
2. Assing subnet masks fro each other.



Result of functionation is on the screenshot.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

THIRD EXAMPLE:
Topolgy that includes security elements, separate vlans and DMZ.
1. Creating of the topology



It includes Configure of EdgeRputer

```
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname EdgeRouter
EdgeRouter(config)#interface GigabitEthernet0/0
EdgeRouter(config-if)#description Link to ISP Cloud
EdgeRouter(config-if)#ip address 200.1.1.2 255.255.255.252
EdgeRouter(config-if)#no shutdown
EdgeRouter(config-if)#interface GigabitEthernet0/1
EdgeRouter(config-if)#description Link to ASA Outside
EdgeRouter(config-if)#ip address 200.1.1.5 255.255.255.252
EdgeRouter(config-if)#no shutdown
EdgeRouter(config-if)#ip route 0.0.0.0 0.0.0.0 200.1.1.1
EdgeRouter(config)#
```