Арестов Никита ИС223

1. Создал сеть

2. Конфигурация свитч0

```
Switch>en
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#int range fa0/1-2
Switch(config-if-range)#channel-group 1 mode ?
  active      Enable LACP unconditionally
  auto        Enable PAgP only if a PAgP device is detected
  desirable   Enable PAgP unconditionally
  on          Enable Etherchannel only
  passive     Enable LACP only if a LACP device is detected
Switch(config-if-range)#channel-group 1 mode on
Switch(config-if-range)#
Creating a port-channel interface Port-channel 1

%LINK-5-CHANGED: Interface Port-channel, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Port-channel, changed state

Switch(config-if-range)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console

Switch#wr memory
Building configuration...
[OK]
Switch#
```
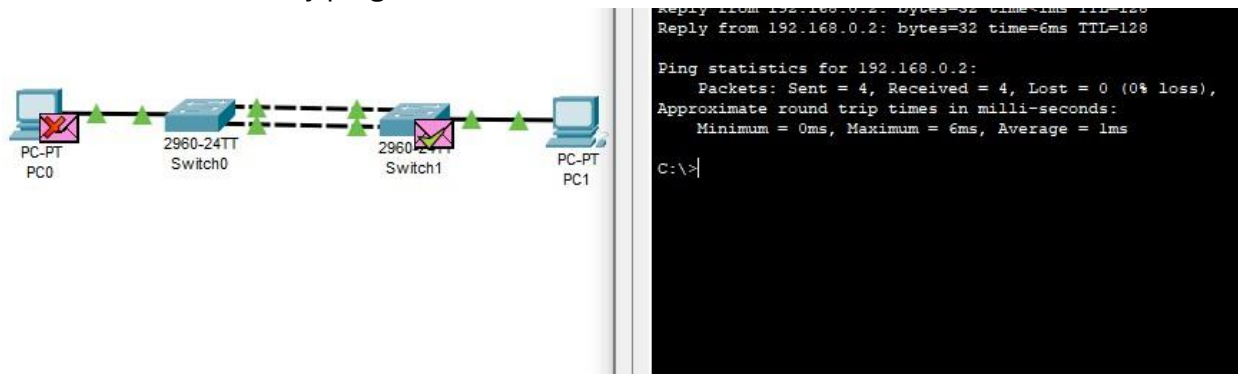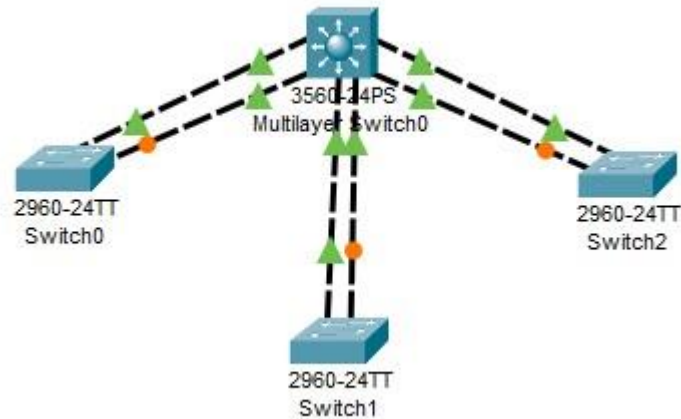
3. Использовал команду ping


```
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time=6ms TTL=128

Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 6ms, Average = 1ms

C:\>
```

ДИНАМИЧЕСКОЕ АГРЕГИРОВАНИЕ КАНАЛОВ (LACP)

1. Создал сеть

2. Конфигурация коммутатора 3560

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/
Switch(config)#inteface range fastEthernet 0/1-2
                        ^
% Invalid input detected at '^' marker.

Switch(config)#interface range fastEthernet 0/1-2
Switch(config-if-range)#channel-protocol lacp
Switch(config-if-range)#channel-protocol 1 mode active
                                        ^
```

3. Конфигурация свитч0 и еще 2 оставшихся коммутатора

```
Switch>enable
Switch#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#interface range fastEthernet 0/1-2
Switch(config-if-range)#channel-protocol lacp
Switch(config-if-range)#channel-group 1 mode passive
Switch(config-if-range)#
Creating a port-channel interface Port-channel 1
```

4. Под конец были подключены ПК к каждому свитчу 2960 и попытка пинга