Строим сеть



Switch0 и Switch1

```
Switch(config) #int range fa0/1-2
Switch(config-if-range)#channel-group 1 mode ?
          Enable LACP unconditionally
Enable PAgP only if a PAgP device is detected
  active
  auto
 desirable Enable PAgP unconditionally
            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-channell, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Port-channell, changed st
Switch(config-if-range) #end
Switch#
%SYS-5-CONFIG I: Configured from console by console
Switch#wr mem
Building configuration...
[OK]
Switch#
```

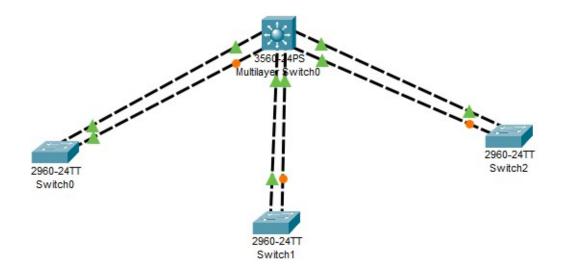
Если прописать show etherchannel summary

Будут отображены активные порты, которые объединены в одну группу

Отключим один порт

И видим, что порт помечен как D (Deactivated) – выключен

Строим сеть



В мультикоммутаторе прописываем

```
Switch(config) #int range fa0/1-2
Switch(config-if-range) #channel-protocol lacp
Switch(config-if-range) #channel-group 1 mode active
Switch(config-if-range) #
Creating a port-channel interface Port-channel 1
```

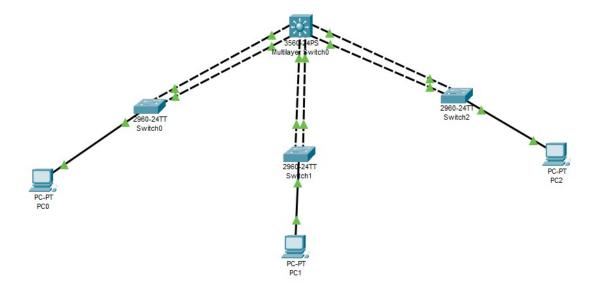
И для остальных также создаем группы 2 и 3

Далее переходим в Switch0

```
Switch(config) #int range fa0/1-2
Switch(config-if-range) #channel-protocol lacp
Switch(config-if-range) #channel-group 1 mode passive
```

И для остальных коммутаторов также

Далее подключаем ПК



Пингуем ПК

```
C:\>ping 192.168.0.2
Pinging 192.168.0.2 with 32 bytes of data:
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Reply from 192.168.0.2: bytes=32 time<lms TTL=128
Reply from 192.168.0.2: bytes=32 time<lms TTL=128
Reply from 192.168.0.2: bytes=32 time<1ms 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 = 0ms, Average = 0ms
C:\>ping 192.168.0.3
Pinging 192.168.0.3 with 32 bytes of data:
Reply from 192.168.0.3: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.0.3:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
   Minimum = 0ms, Maximum = 0ms, Average = 0ms
```