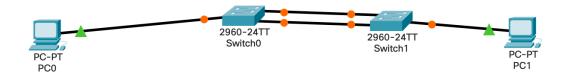
Cisco Nº30



Switch 0

```
SWITCH>
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
             Enable PAgP only if a PAgP device is detected
  auto
  desirable Enable PAgP unconditionally
             Enable Etherchannel only
            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-channel1, changed state
to up
Switch (config-if-range) #end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#wr memory
Building configuration...
[OK]
Switch#
```

То же самое сделали со Switch 1, дали ір компам. 192.168.0.1 и .2 и пинганули

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.0.2
Pinging 192.168.0.2 with 32 bytes of data:

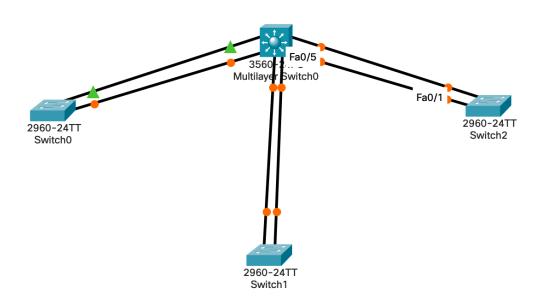
Reply from 192.168.0.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 16ms, Average = 4ms
C:\>
```

Пинг показал, что связь стабильна и достаточно быстрая.

Что произойдет, если отключить кабель между коммутаторами:

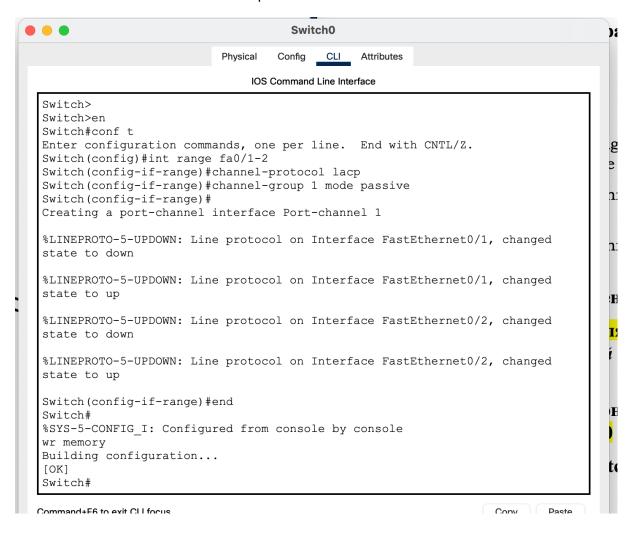
Отключение кабеля приведет к разрыву сетевого соединения между устройствами (если нет альтернативного пути

Динамическое агрегирование каналов – LACP



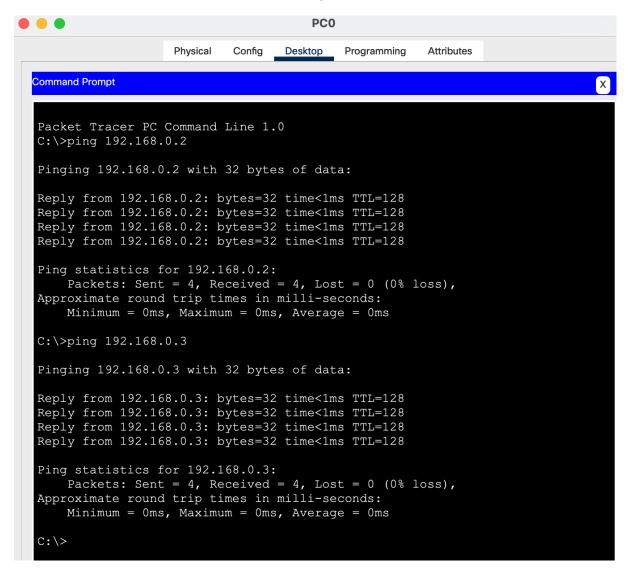
```
Switch>en
Switch#conf t
Enter configuration commands, one per line. End with \mathtt{CNTL}/\mathtt{Z}\text{.}
Switch(config) #int range fa0/1-2
Switch(config-if-range) #channel-protocol lacp
Switch(config-if-range) #cgannel-group 1 mode active
% Invalid input detected at '^' marker.
Switch(config-if-range) #channel-group 1 mode active
Switch(config-if-range)#
Creating a port-channel interface Port-channel 1
LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed
state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed
state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed
state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed
state to up
Switch(config-if-range)#
```

Настроили все switch. 0-2



Подключаем компы к коммутаторам, даем им ір 192.168.0.х, где х = 1-3

Пингуем



Такая сеть у нас получилась в итоге

