

Switch0

Physical Config CLI Attributes

IOS Command Line Interface

```
LINK-5-CHANGED: Interface FastEthernet0/2, changed state to up
LINK-PROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/2, changed state to up
LINK-3-UPDOWN: Interface FastEthernet0/3, changed state to down
LINK-PROTO-3-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to down
LINK-6-CHANGED: Interface FastEthernet0/3, changed state to up
LINK-PROTO-6-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up

Switch#enable
Switch#
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface FastEthernet0/2
Switch(config-if)#exit
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-channel1, changed state to up
LINK-PROTO-5-UPDOWN: Line protocol on Interface Port-channel1, changed state to up

Switch(config-if-range)#end
Switch#
SYS-5-CONFIG_1: Configured from console by console

Switch#show memory
Building configuration...
[OK]
Switch#
```

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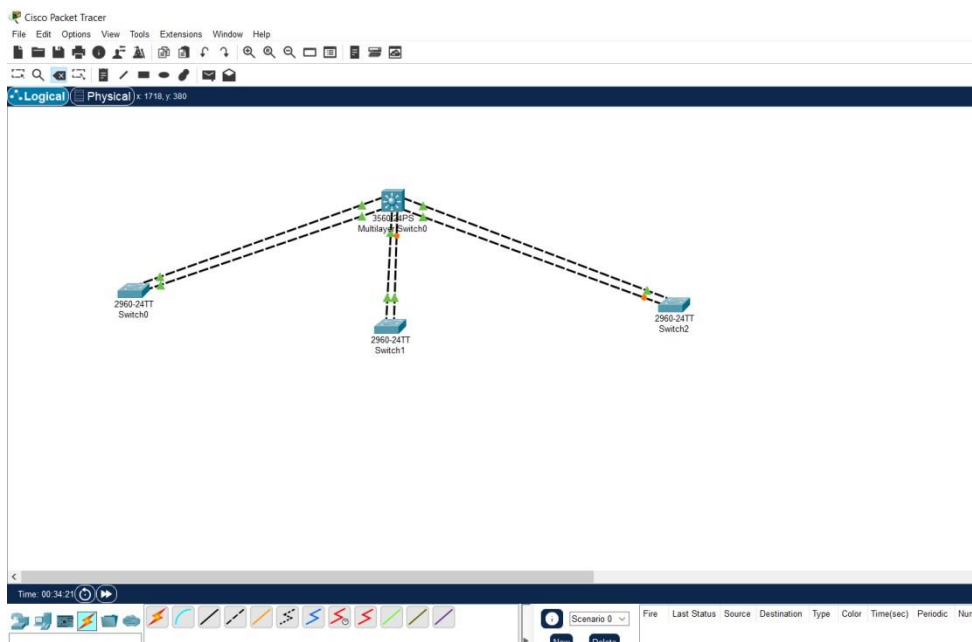
Scenario 0



Вывод команды `ping` показывает, что между вашим компьютером и устройством с IP-адресом 192.168.0.1; 192.168.0.2 есть активное сетевое соединение. Это означает, что связь стабильна и достаточно быстрая. Изменений в сети, которые могли бы негативно повлиять на связь, не произошло.

### Что происходит при отключении кабеля между коммутаторами:

Отключение кабеля между двумя коммутаторами приведет к немедленному разрыву сетевого соединения между устройствами, подключенными к этим коммутаторам (если только нет альтернативного пути).



```
Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
[Icons]
Cisco Packet Tracer
Logical Physical 1718, y 380

Time: 00:34:21

[Icons] [Scenario 0] Fire Last Status Source Destination Type Color Time(sec) Periodic Num

Multilayer Switch0
Physical Config CLI Attributes
Cisco Packet Tracer
Logical
IOS Command Line Interface

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)#exit
Switch(config)#interface range fastEthernet 0/1-2
Switch(config-if-range)#channel-protocol lacp
Switch(config-if-range)#channel-group 2 mode active
Switch(config-if-range)#
%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)#exit
Switch(config)#interface range fastEthernet 0/1-2
Switch(config-if-range)#channel-protocol lacp
Switch(config-if-range)#channel-group 3 mode active
Switch(config-if-range)#
% Invalid input detected at ... marker.
Switch(config-if-range)#channel-group 3 mode active
Switch(config-if-range)#
%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
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Time: 00:13:30
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```

