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Laboratorio VLAN **Martin Flores**

Switch 1

Switch#show etherchannel port-channel
Channel-group listing:

Group: 1

Port-channels in the group:

Port-channel: Po1 (Primary Aggregator)

Age of the Port-channel = 00d:00h:34m:25s
Logical slot/port = 2/1 Number of ports = 2
GC = 0x00000000 HotStandBy port = null
Port state = Port-channel
Protocol = LACP
Port Security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits
---
0 00 Fa0/13 Automatic 0
0 00 Fa0/14 Automatic 0
Time since last port bundled: 00d:00h:01m:47s Fa0/14
Group: 2

Port-channels in the group:

Port-channel: Po2

Age of the Port-channel = 00d:00h:37m:43s
Logical slot/port = 2/2 Number of ports = 3
GC = 0x00000000 HotStandBy port = null
Port state = Port-channel
Protocol = PAGP
Port Security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits
------+------+------+------------------+-----------
0 00 Fa0/10 Automatic 0
0 00 Fa0/11 Automatic 0
0 00 Fa0/12 Automatic 0
Time since last port bundled: 00d:00h:01m:19s Fa0/12

Switch 2

Switch#show etherchannel port-channel
Channel-group listing:

Group: 1

Port-channels in the group:

Port-channel: Po1 (Primary Aggregator)

Age of the Port-channel = 00d:00h:51m:59s
Logical slot/port = 2/1 Number of ports = 2
GC = 0x00000000 HotStandBy port = null
Port state = Port-channel
Protocol = LACP
Port Security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits

------+------+------+------------------+-----------
0 00 Fa0/13 Active 0
0 00 Fa0/14 Active 0
Time since last port bundled: 00d:00h:04m:32s Fa0/14
Group: 3

Port-channels in the group:

Port-channel: Po3

Age of the Port-channel = 00d:00h:48m:56s
Logical slot/port = 2/3 Number of ports = 2
GC = 0x00000000 HotStandBy port = null
Port state = Port-channel
Protocol = PAGP
Port Security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits
------+------+------+------------------+-----------
0 00 Fa0/15 Active 0
0 00 Fa0/16 Active 0
Time since last port bundled: 00d:00h:08m:13s Fa0/16

Switch 3

Switch#show etherchannel port-channel
Channel-group listing:

Group: 2

Port-channels in the group:

Port-channel: Po2

Age of the Port-channel = 00d:00h:42m:43s
Logical slot/port = 2/2 Number of ports = 3
GC = 0x00000000 HotStandBy port = null
Port state = Port-channel
Protocol = PAGP
Port Security = Disabled

Ports in the Port-channel:

Index Load Port EC state No of bits
------+------+------+------------------+-----------
0 00 Fa0/10 On 0
0 00 Fa0/11 On 0
0 00 Fa0/12 On 0
Time since last port bundled: 00d:00h:02m:59s Fa0/12
Group: 3

Port-channels in the group:

Port-channel: Po3

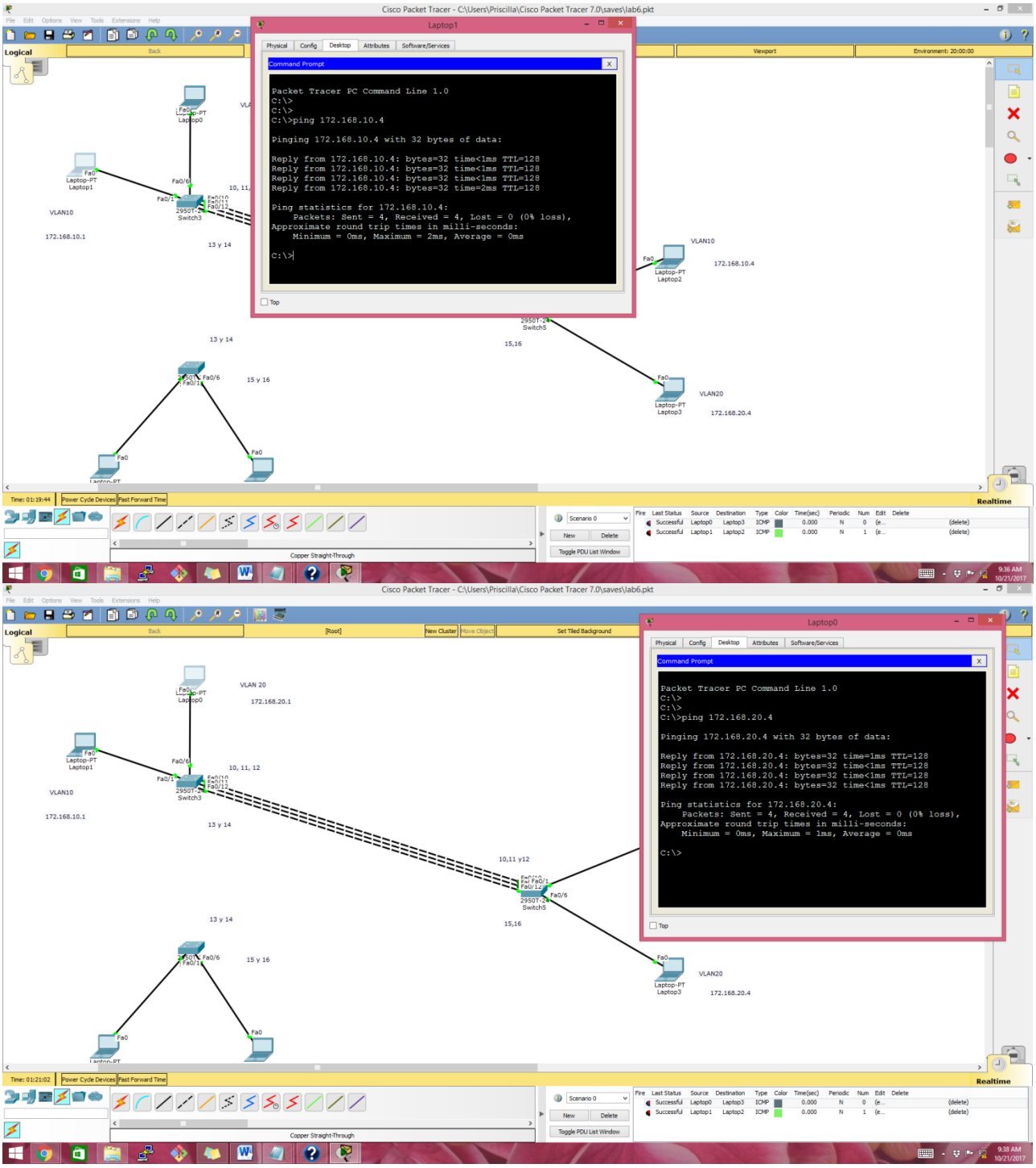
Age of the Port-channel = 00d:00h:45m:01s
Logical slot/port = 2/3 Number of ports = 2
GC = 0x00000000 HotStandBy port = null
Port state = Port-channel
Protocol = PAGP
Port Security = Disabled

Ports in the Port-channel:

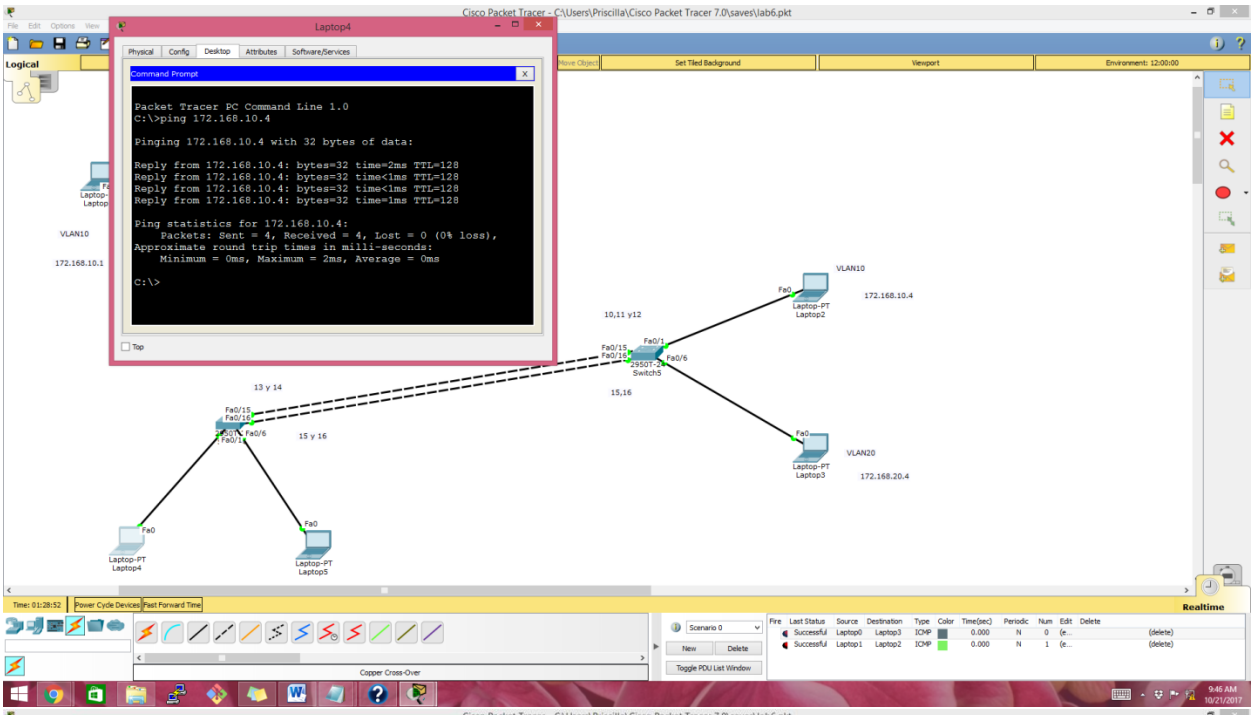
Index Load Port EC state No of bits
------+------+------+------------------+-----------
0 00 Fa0/15 On 0
0 00 Fa0/16 On 0
Time since last port bundled: 00d:00h:07m:08s Fa0/16

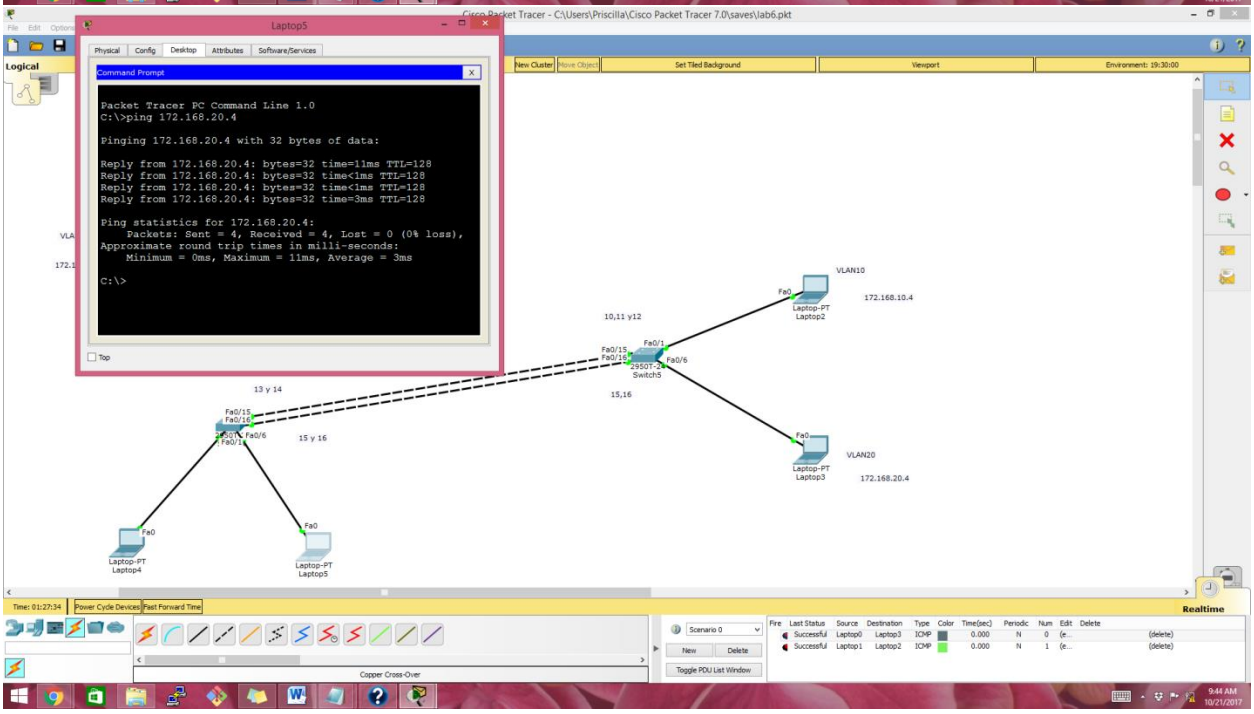
Ping test

PAgP test sin cables

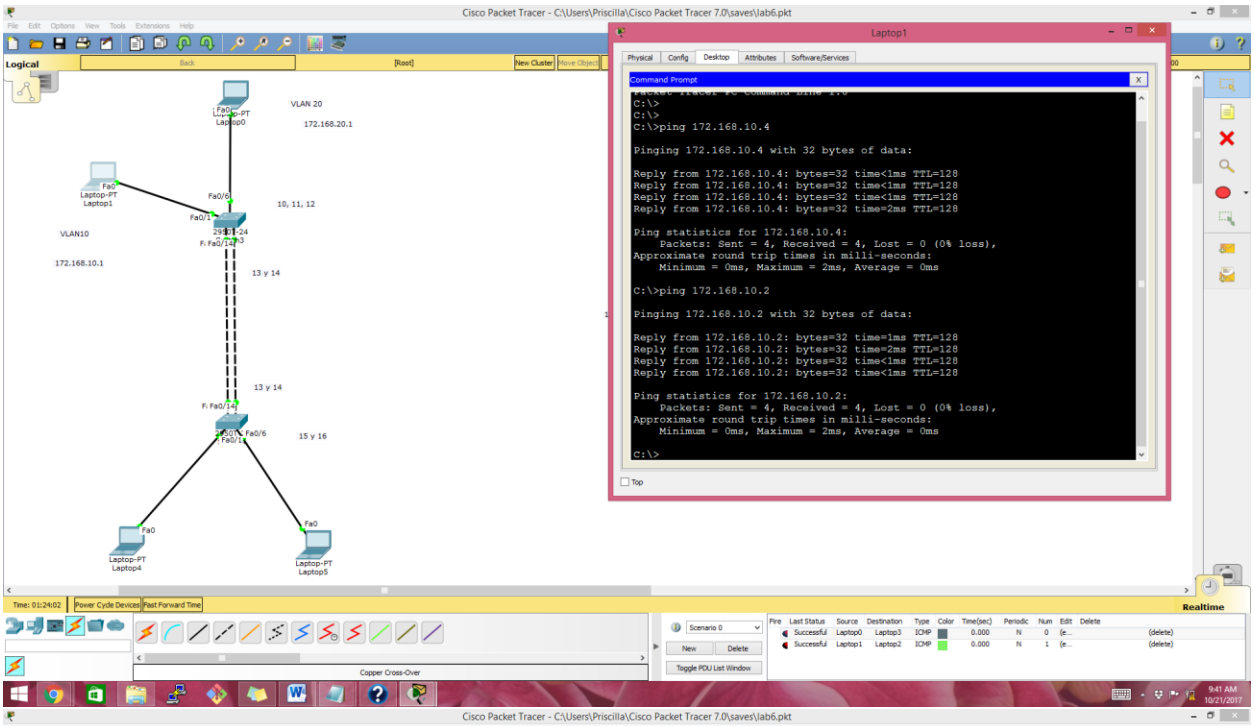


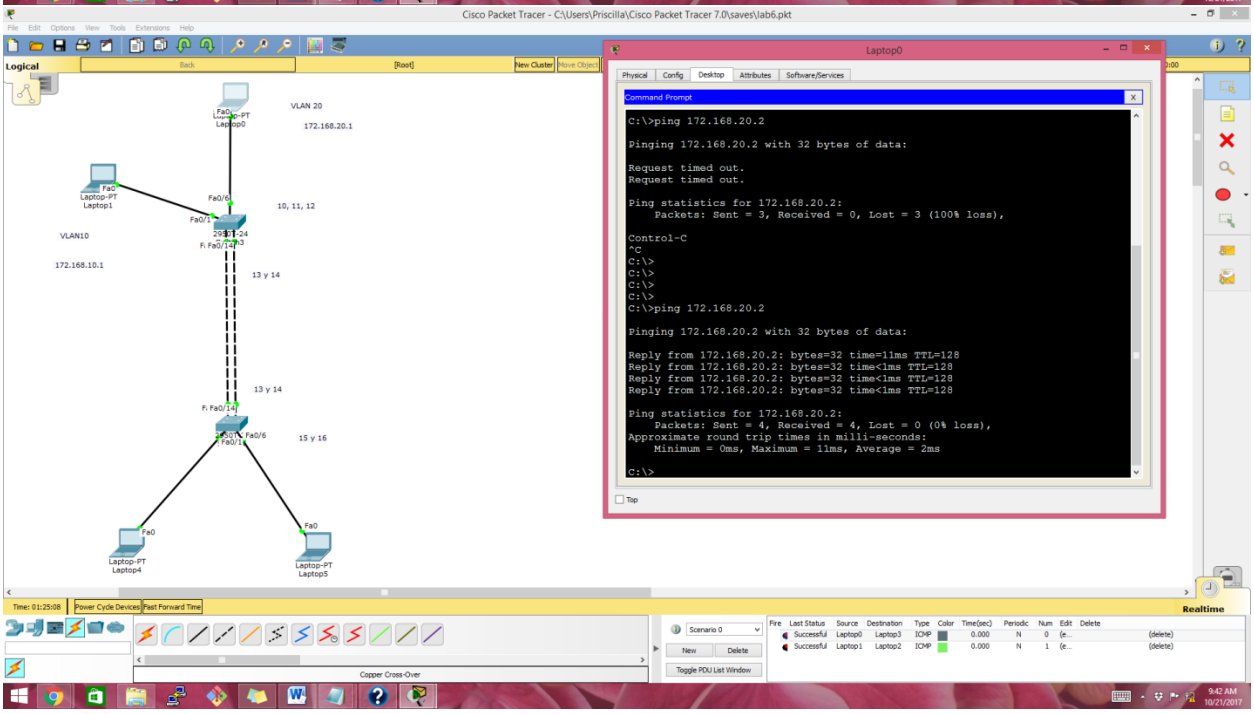
Etherchannel manual test sin cables





Lacp test sin cables


Cisco Packet Tracer - C:\Users\Priscilla\Cisco Packet Tracer 7.0\saves\lab6.pkt
Laptop1
Physical
Config
Desktop
Attributes
Software/Services
Command Prompt
C:\>
C:\>
C:\>ping 172.168.10.4
Pinging 172.168.10.4 with 32 bytes of data:
Reply from 172.168.10.4: bytes=32 time<1ms TTL=128
Reply from 172.168.10.4: bytes=32 time<1ms TTL=128
Reply from 172.168.10.4: bytes=32 time<1ms TTL=128
Reply from 172.168.10.4: bytes=32 time=2ms TTL=128
Ping statistics for 172.168.10.4:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 2ms, Average = 0ms
C:\>ping 172.168.10.2
Pinging 172.168.10.2 with 32 bytes of data:
Reply from 172.168.10.2: bytes=32 time=1ms TTL=128
Reply from 172.168.10.2: bytes=32 time=2ms TTL=128
Reply from 172.168.10.2: bytes=32 time<1ms TTL=128
Reply from 172.168.10.2: bytes=32 time<1ms TTL=128
Ping statistics for 172.168.10.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 2ms, Average = 0ms
C:\>
Top
Logical
VLAN 20
172.168.20.1
10, 11, 12
VLAN10
172.168.10.1
13 y 14
15 y 16
Laptop-PT Laptop4
Laptop-PT Laptop5
Realtime


Cisco Packet Tracer - C:\Users\Priscilla\Cisco Packet Tracer 7.0\saves\lab6.pkt
Laptop0
Physical
Config
Desktop
Attributes
Software/Services
Command Prompt
C:\>ping 172.168.20.2
Pinging 172.168.20.2 with 32 bytes of data:
Request timed out.
Request timed out.
Ping statistics for 172.168.20.2:
Packets: Sent = 3, Received = 0, Lost = 3 (100% loss),
Control-C
^C
C:\>ping 172.168.20.2
Pinging 172.168.20.2 with 32 bytes of data:
Reply from 172.168.20.2: bytes=32 time=11ms TTL=128
Reply from 172.168.20.2: bytes=32 time<1ms TTL=128
Reply from 172.168.20.2: bytes=32 time<1ms TTL=128
Reply from 172.168.20.2: bytes=32 time<1ms TTL=128
Ping statistics for 172.168.20.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 11ms, Average = 2ms
C:\>
Top
Logical
VLAN 20
172.168.20.1
10, 11, 12
VLAN10
172.168.10.1
13 y 14
15 y 16
Laptop-PT Laptop4
Laptop-PT Laptop5
Realtime