EPICODE-CS0124
S1/L3 - Pratica

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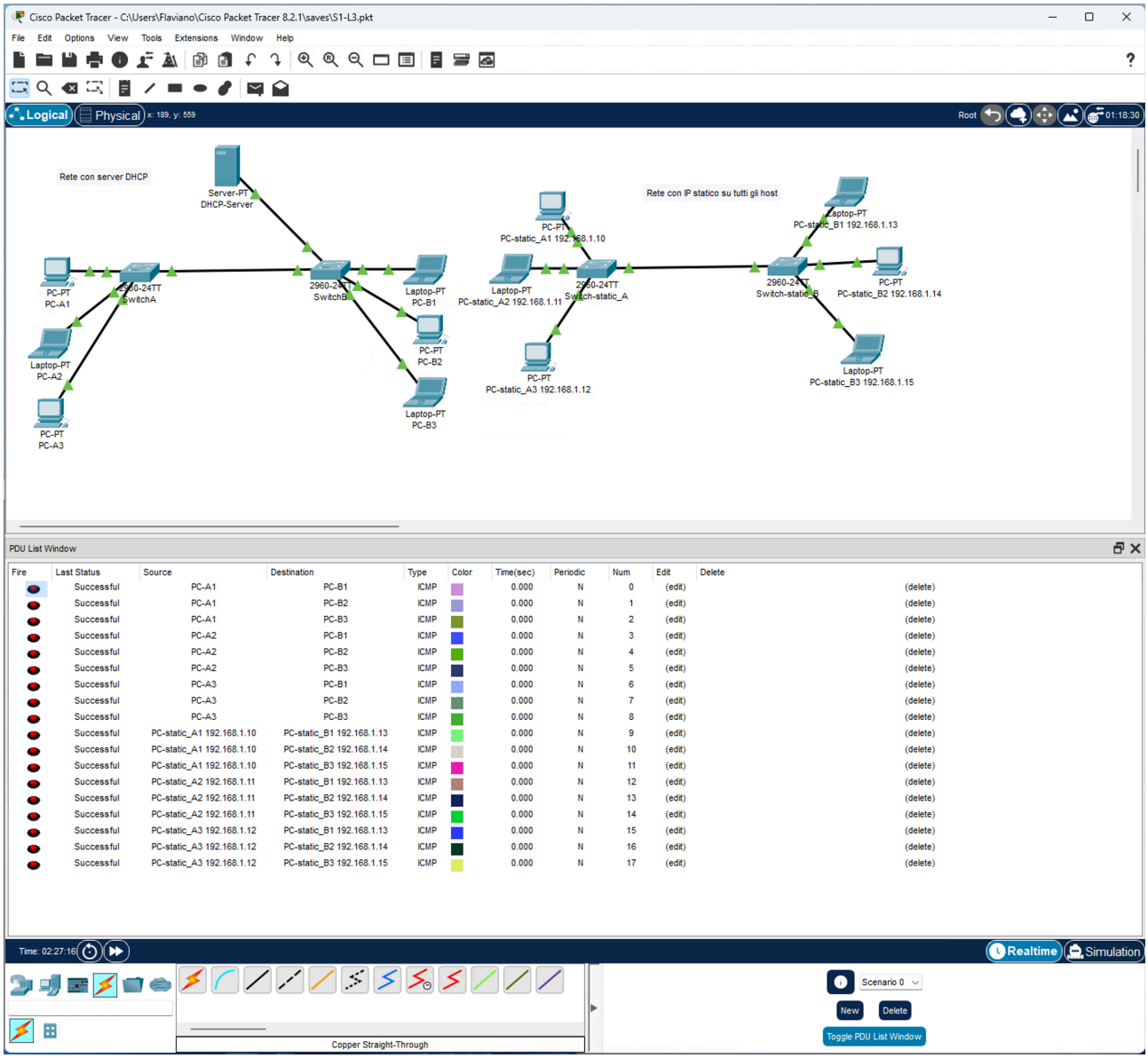
Premessa

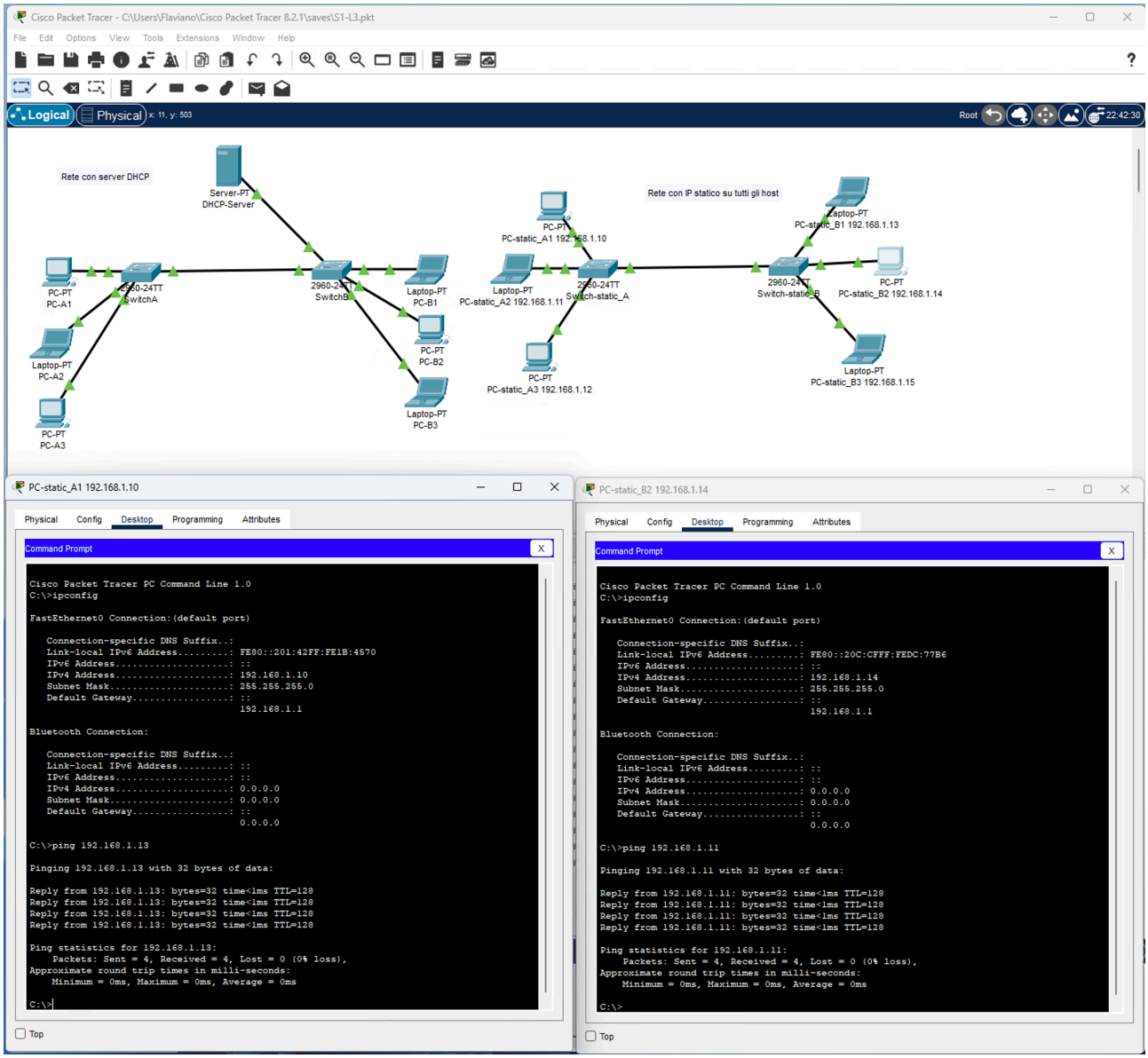
Sono state implementate due diverse reti:
- prima rete con un server con DHCP che assegna automaticamente gli IP agli host
- seconda rete con l'imputazione statica degli IP sui singoli host

Entrambe le reti, come si evince dall'invio di "Simple PDU" nel log sottostante, sono implementate correttamente in quanto tutti gli host comunicano tra loro.

Nel secondo screenshot è stato effettuato un test di ping tra due coppie di host nella rete con IP statici senza DHCP.

Si allega nel repository di GitHub anche il file .pkt utilizzato.




Cisco Packet Tracer - C:\Users\Flaviano\Cisco Packet Tracer 8.2.1\saves\S1-L3.pkt
File Edit Options View Tools Extensions Window Help
Logical
Physical
Root
Rete con server DHCP
Server-PT DHCP-Server
2960-24TT SwitchA
2960-24TT SwitchB
PC-PT PC-A1
Laptop-PT PC-A2
PC-PT PC-A3
Laptop-PT PC-B1
PC-PT PC-B2
Laptop-PT PC-B3
Rete con IP statico su tutti gli host
PC-PT PC-static_A1 192.168.1.10
Laptop-PT PC-static_A2 192.168.1.11
PC-PT PC-static_A3 192.168.1.12
2960-24TT Switch-static_A
2960-24TT Switch-static_B
Laptop-PT PC-static_B1 192.168.1.13
PC-PT PC-static_B2 192.168.1.14
Laptop-PT PC-static_B3 192.168.1.15
PC-static_A1 192.168.1.10
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Connection-specific DNS Suffix..:
Link-local IPv6 Address.....: FE80::201:42FF:FE1B:4570
IPv6 Address.....: ::
IPv4 Address.....: 192.168.1.10
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
192.168.1.1
Bluetooth Connection:
Connection-specific DNS Suffix..:
Link-local IPv6 Address.....: ::
IPv6 Address.....: ::
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
0.0.0.0
C:\>ping 192.168.1.13
Pinging 192.168.1.13 with 32 bytes of data:
Reply from 192.168.1.13: bytes=32 time<1ms TTL=128
Reply from 192.168.1.13: bytes=32 time<1ms TTL=128
Reply from 192.168.1.13: bytes=32 time<1ms TTL=128
Reply from 192.168.1.13: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.13:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top
PC-static_B2 192.168.1.14
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Connection-specific DNS Suffix..:
Link-local IPv6 Address.....: FE80::20C:CFFF:FEDC:77B6
IPv6 Address.....: ::
IPv4 Address.....: 192.168.1.14
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
192.168.1.1
Bluetooth Connection:
Connection-specific DNS Suffix..:
Link-local IPv6 Address.....: ::
IPv6 Address.....: ::
IPv4 Address.....: 0.0.0.0
Subnet Mask.....: 0.0.0.0
Default Gateway.....: ::
0.0.0.0
C:\>ping 192.168.1.11
Pinging 192.168.1.11 with 32 bytes of data:
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Reply from 192.168.1.11: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.11:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top