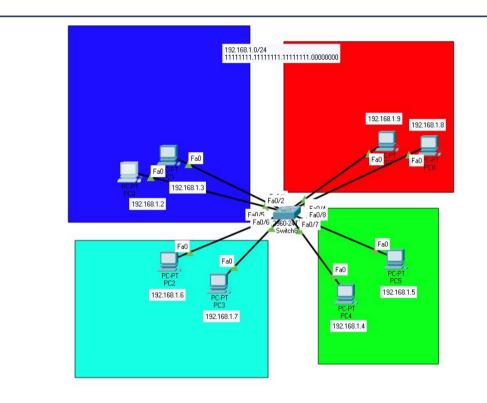
Relazione S1-L5

Creazione di una rete segmentata con 4 VLAN diverse. Spiega le motivazioni per cui si è scelto di ricorrere alle VLAN.

The VLAN is used to divide and isolate LAN segments. In a workplace, it's used for security reasons or for performance. The VLAN lets you isolate/divide the traffic between these groups, and it makes it harder for any non-authorized person to access/intercept the files (from the inside and from the inside or from the outside. The VLAN make it easier to manage any network, and it's possible to create new ones "on the go", in a centralized way. In the project that we made for today we utilized 4 Different VLAN with a switch 2960 of 2nd level without a Router. Each group is divided by 2 host And Every VLAN is different between them. Effectively isolating each group by themselves not letting any comunication through.

La VLAN viene usata per dividere e isolare i segmenti della LAN. In un ambiente di lavoro, viene usata per la sua sicurezza o a volte anche per performance. La VLAN ti permette di isola rare/dividere il traffico da questi gruppi, e rende più difficili gli accessi non-autorizzati da autori esterni/interni. La VLAN rende più facile Controllare e modificare qualunque network ed è possibile creare nuove VLAN "on the go", in modo centralizzato. Nel progetto di oggi abbiamo utilizzato 4 VLAN differenti con uno switch 2960 di 2ndo livello, senza Router. Ogni gruppo è diviso da 2 Host e ogni VLAN è Diversa. Isolando ogni gruppo a se non permettendo la comunicazione Tra di loro.



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PC0
                                                                                                                                                             - 🗆 X
  Physical Config Desktop Programming Attributes
    Command Prompt
   Ping statistics for 192.168.1.9:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

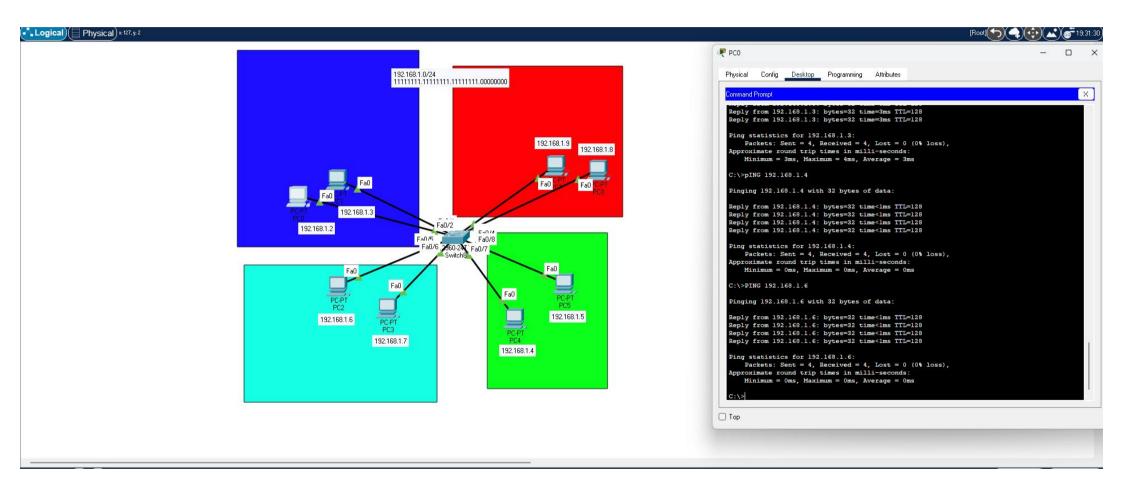
Approximate round trip times in milli-seconds:
           Minimum = 0ms, Maximum = 0ms, Average = 0ms
    C:\>ping 192.168.1.9
    Pinging 192.168.1.9 with 32 bytes of data:
   Reply from 152.168.1.9: bytes=32 time<1ms TTL=128
  Ping statistics for 192.168.1.9:

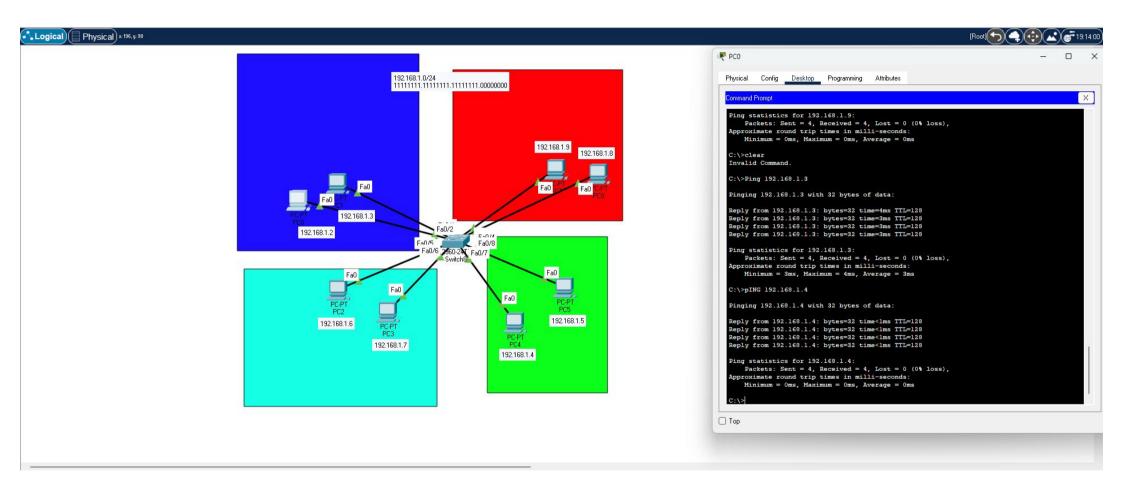
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

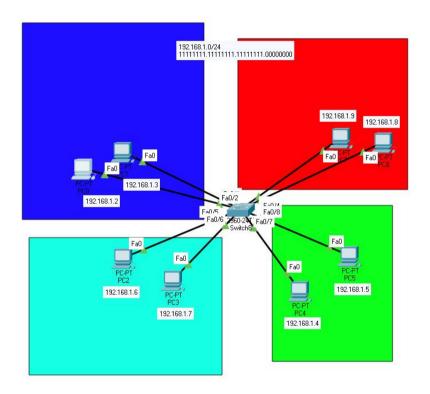
Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Oms, Average = Oms
   C:\>clear
Invalid Command.
    C:\>Ping 192.168.1.3
   Pinging 192.168.1.3 with 32 bytes of data:
   Reply from 192.168.1.3: bytes=32 time=4ms TTL=128
Reply from 192.168.1.3: bytes=32 time=3ms TTL=128
Reply from 192.168.1.3: bytes=32 time=5ms TTL=128
Reply from 192.168.1.3: bytes=32 time=5ms TTL=128
   Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
           Minimum = 3ms, Maximum = 4ms, Average = 3ms
Пор
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₽ PC0
                                                                                                                                                        - D X
  Physical Config Desktop Programming Attributes
    Command Prompt
    Request timed out.
    Request timed out.
    Request timed out.
    Request timed out.
   Ping statistics for 192.168.1.9:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
    C:\>ping 192.168.1.9
   Pinging 192.168.1.9 with 32 bytes of data:
    Request timed out.
   Request timed out.

Reply from 192.168.1.9: bytes=32 time<lms TTL=128
Reply from 192.168.1.9: bytes=32 time<lms TTL=128
Reply from 192.168.1.9: bytes=32 time<lms TTL=128
   Ping statistics for 192.168.1.9:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

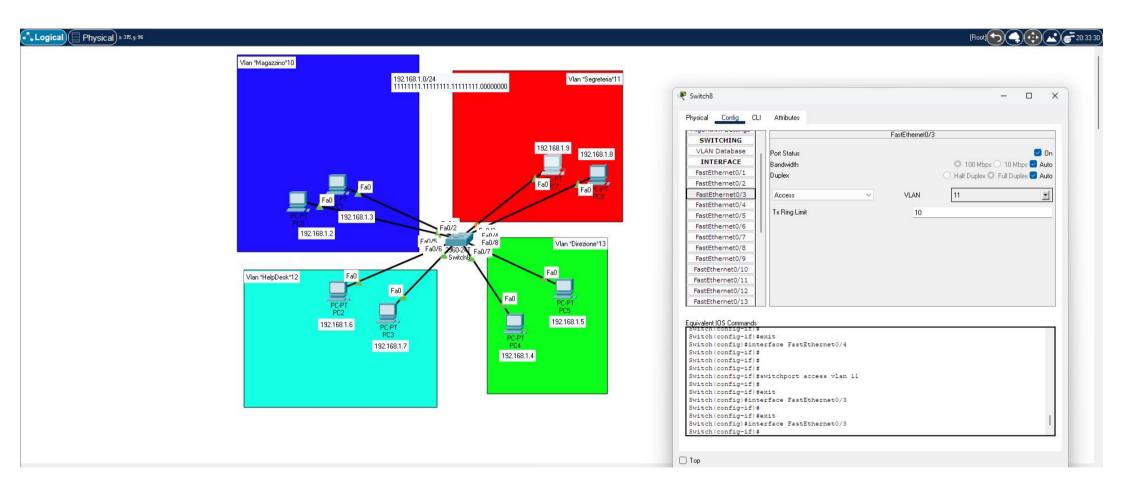
Approximate round trip times in milli-seconds:

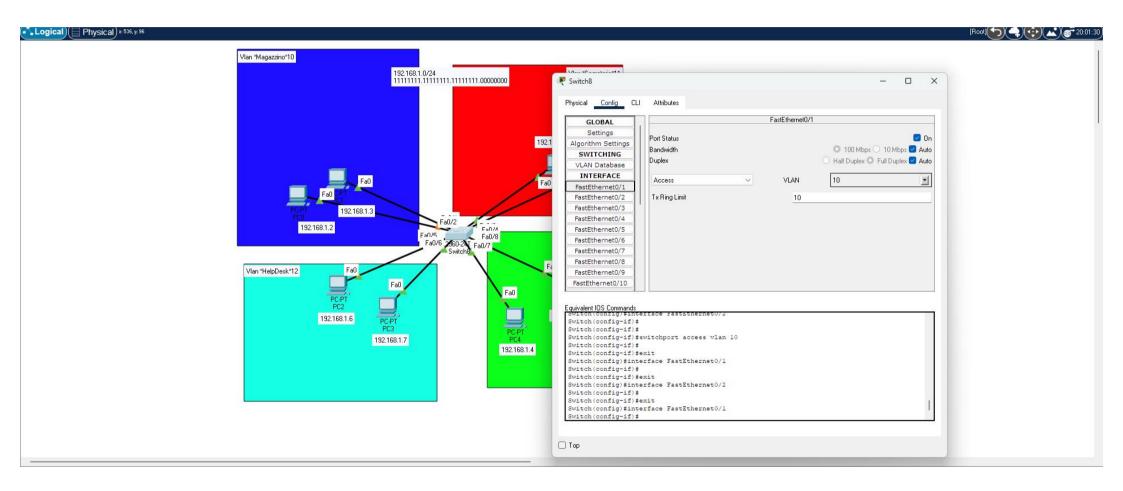
Hinimum = Oms, Maximum = Oms, Average = Oms
    C:\>ping 192.168.1.9
   Pinging 192.168.1.9 with 32 bytes of data:
  Reply from 192.168.1.9: bytes=32 time<1ms TTL=128
  Ping statistics for 192.168.1.9:

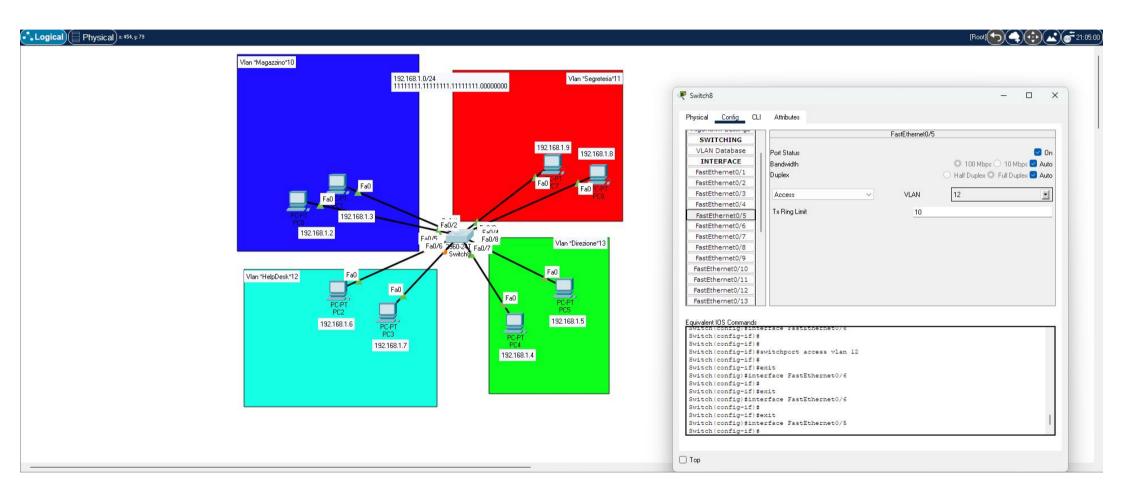
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

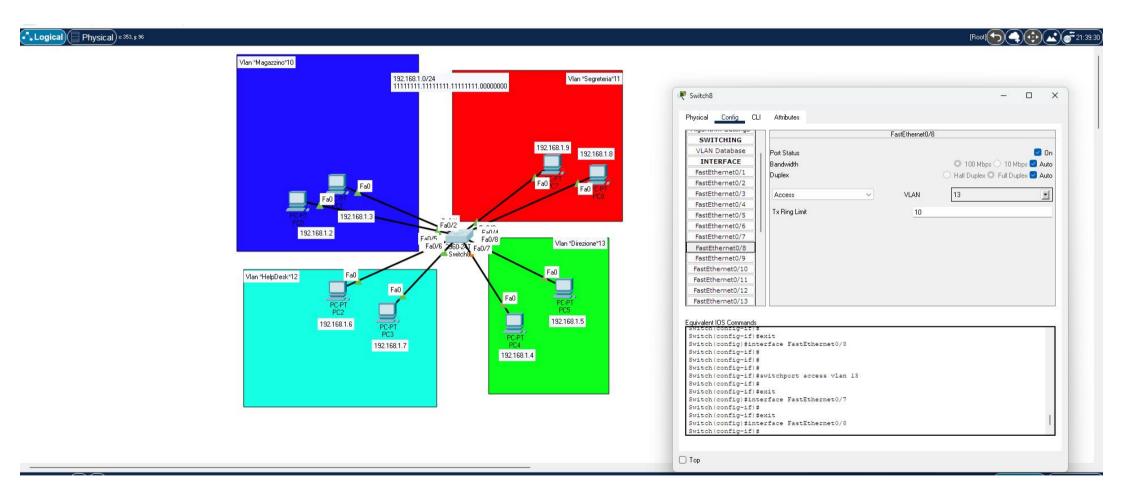
Approximate round trip times in milli-seconds:

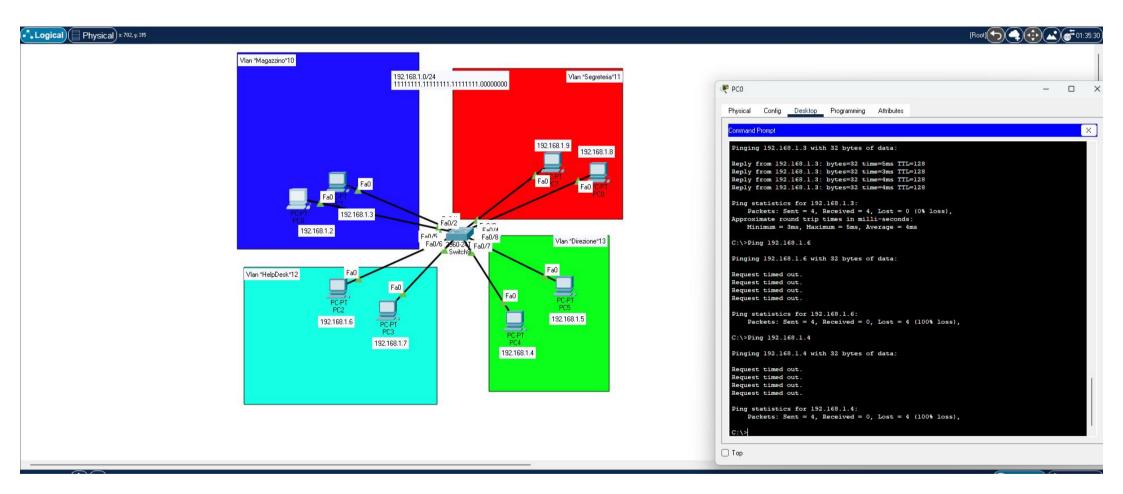
Minimum = Oms, Maximum = Oms, Average = Oms
Пор
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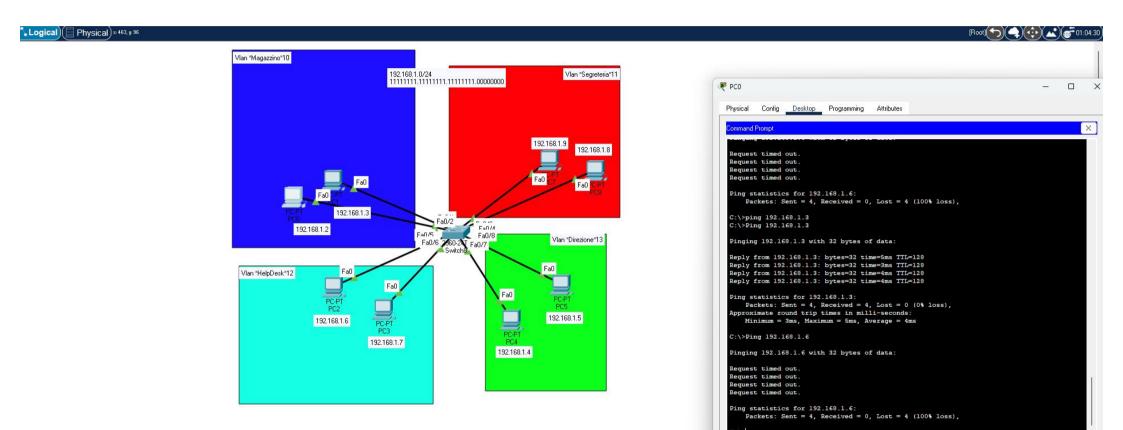












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