

PROGETTO COSTRUZIONE-RETE

IP PRESENTI:

Gruppo 1:

192.168.50.102 (pc0)

192.168.50.103 (pc1)

192.168.50.104 (pc2)

192.168.50.111 (tablet)

192.168.50.108 (laptop)

192.168.50.109 (smartphone)

Gruppo 2:

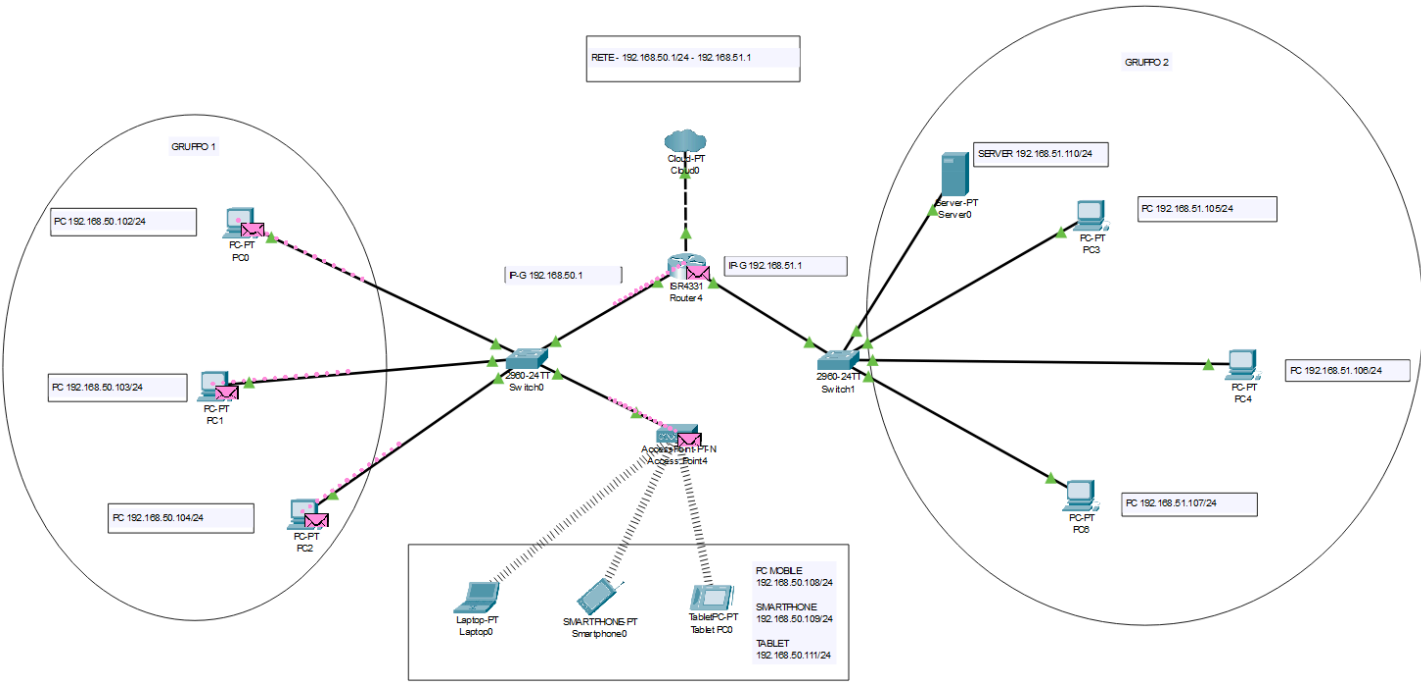
192.168.50.105 (pc3)

192.168.50.106 (pc4)

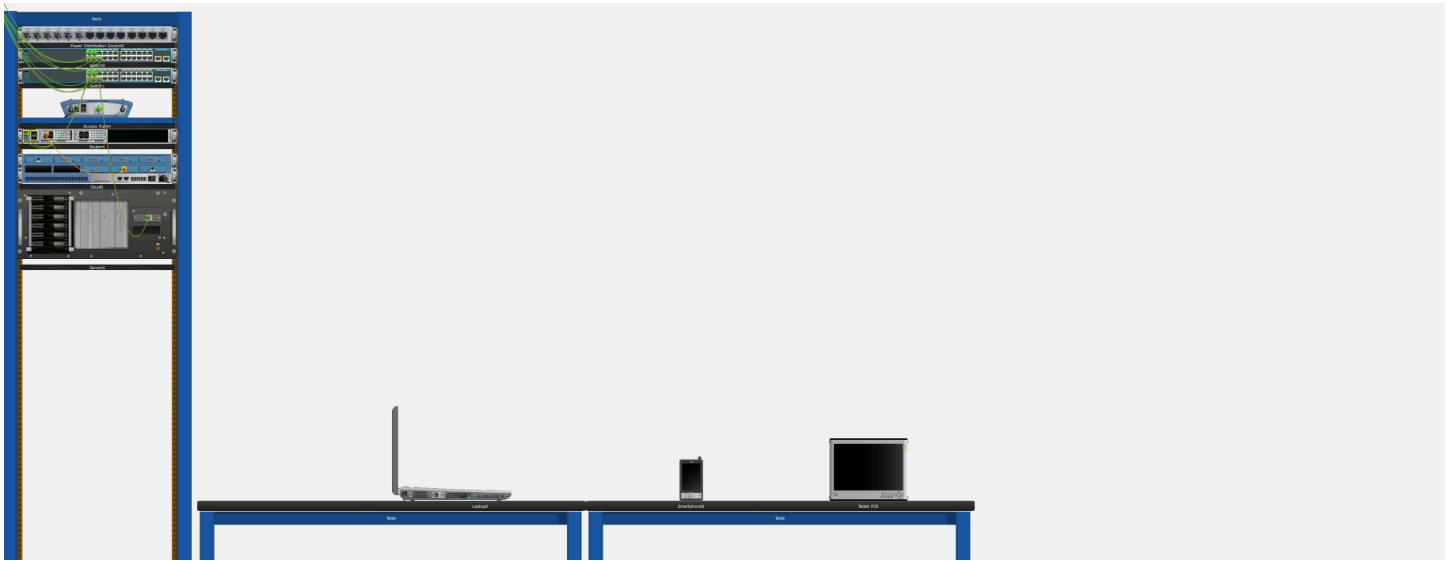
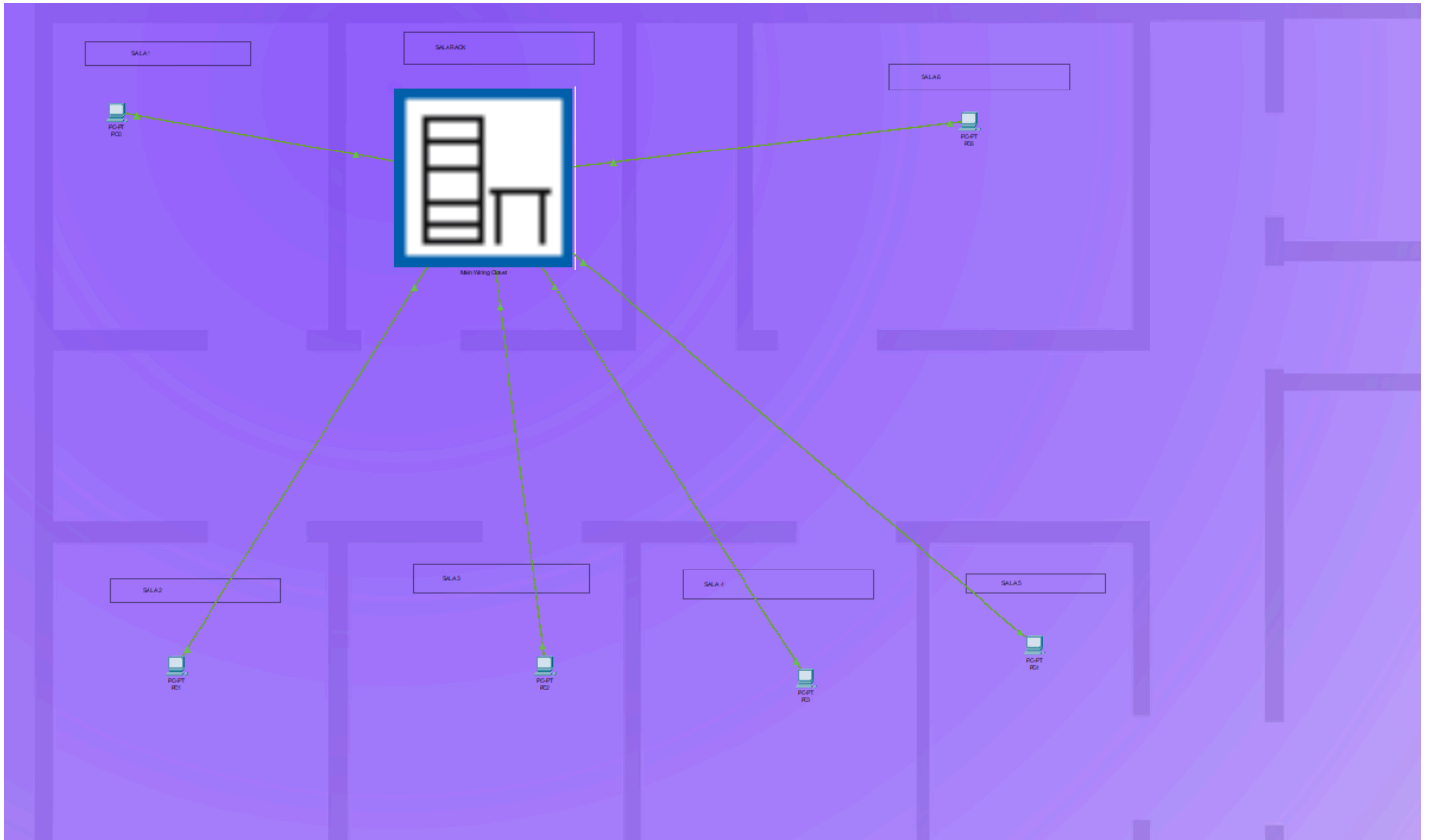
192.168.50.107 (pc6)

192.168.50.110 (server)

MAPPA LOGICA:



UFFICIO & SALA RACK:



ESEMPI DI PING CON ROUTING:

```
C:\>ping 192.168.51.110
```

```
Pinging 192.168.51.110 with 32 bytes of data:
```

```
Reply from 192.168.51.110: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.51.110: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.51.110: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.51.110: bytes=32 time<1ms TTL=127
```

```
Ping statistics for 192.168.51.110:
```

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

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>|
```

```
C:\>ping 192.168.51.106
```

```
Pinging 192.168.51.106 with 32 bytes of data:
```

```
Reply from 192.168.51.106: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.51.106: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.51.106: bytes=32 time<1ms TTL=127
```

```
Reply from 192.168.51.106: bytes=32 time<1ms TTL=127
```

```
Ping statistics for 192.168.51.106:
```

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

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>|
```

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.51.107

Pinging 192.168.51.107 with 32 bytes of data:

Request timed out.
Reply from 192.168.51.107: bytes=32 time=10ms TTL=127
Reply from 192.168.51.107: bytes=32 time=6ms TTL=127
Reply from 192.168.51.107: bytes=32 time=29ms TTL=127

Ping statistics for 192.168.51.107:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 6ms, Maximum = 29ms, Average = 15ms

C:\>|

```

TABELLA ARP GRUPPO 1:

```

C:\>arp -a

```

Internet Address	Physical Address	Type
192.168.50.1	00e0.f7d3.ba01	dynamic
192.168.50.105	0004.9a58.6e23	dynamic
192.168.50.106	000b.be41.5e1a	dynamic
192.168.50.109	00e0.f90e.639d	dynamic
192.168.50.110	0060.70ad.8777	dynamic

```

C:\>|

```

TABELLA ARP GRUPPO 2:

```

C:\>arp -a

```

Internet Address	Physical Address	Type
192.168.51.1	00e0.f7d3.ba02	dynamic
192.168.51.105	0004.9a58.6e23	dynamic
192.168.51.110	0060.70ad.8777	dynamic

```

C:\>|

```

CONFIGURAZIONE ROUTER:

GLOBAL	GigabitEthernet0/0/0
Settings	
Algorithm Settings	
ROUTING	
Static	
RIP	
SWITCHING	
VLAN Database	
INTERFACE	
GigabitEthernet0/0/0	
GigabitEthernet0/0/1	
GigabitEthernet0/0/2	
GigabitEthernet0/1/0	
GigabitEthernet0/1/1	
GigabitEthernet0/1/2	
GigabitEthernet0/1/3	
GigabitEthernet0/2/0	
GigabitEthernet0/2/1	

GigabitEthernet0/0/0	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input type="radio"/> 1000 Mbps <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	00E0.F7D3.BA01
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> IP Configuration <div style="display: flex; justify-content: space-between; margin-top: 5px;"> IPv4 Address 192.168.50.1 </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Subnet Mask 255.255.255.0 </div> </div>	
Tx Ring Limit	10

Equivalent IOS Commands

GLOBAL	GigabitEthernet0/0/1
Settings	
Algorithm Settings	
ROUTING	
Static	
RIP	
SWITCHING	
VLAN Database	
INTERFACE	
GigabitEthernet0/0/0	
GigabitEthernet0/0/1	
GigabitEthernet0/0/2	
GigabitEthernet0/1/0	
GigabitEthernet0/1/1	
GigabitEthernet0/1/2	
GigabitEthernet0/1/3	
GigabitEthernet0/2/0	
GigabitEthernet0/2/1	

GigabitEthernet0/0/1	
Port Status	<input checked="" type="checkbox"/> On
Bandwidth	<input type="radio"/> 1000 Mbps <input checked="" type="radio"/> 100 Mbps <input type="radio"/> 10 Mbps <input checked="" type="checkbox"/> Auto
Duplex	<input type="radio"/> Half Duplex <input checked="" type="radio"/> Full Duplex <input checked="" type="checkbox"/> Auto
MAC Address	00E0.F7D3.BA02
<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> IP Configuration <div style="display: flex; justify-content: space-between; margin-top: 5px;"> IPv4 Address 192.168.51.1 </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Subnet Mask 255.255.255.0 </div> </div>	
Tx Ring Limit	10

Physical Config CLI Attributes**GLOBAL**

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0/0

GigabitEthernet0/0/1

GigabitEthernet0/0/2

GigabitEthernet0/1/0

GigabitEthernet0/1/1

RIP Routing

Network

Add

Network Address

192.168.50.0

192.168.51.0