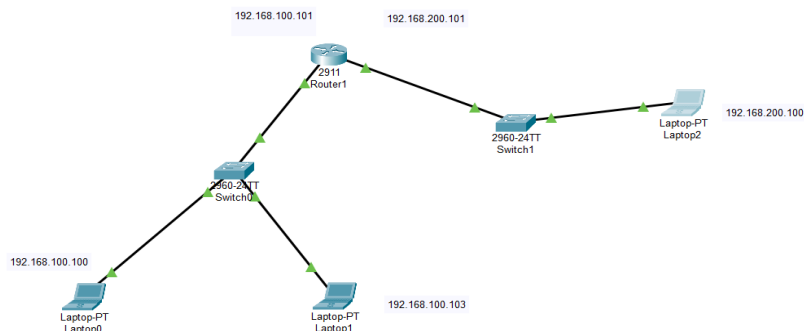


Creazione e configurazione di una rete di calcolatori con il tool Cisco Packet Tracer



Configurazione Ip, Gateway; Mac Laptop0

Laptop0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.100.100

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::201:C9FF:FECB:3A41

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Configurazione Ip, Gateway; Mac Laptop1

Laptop1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address 192.168.100.103

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::290:2BFF:FE1D:DA80

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

Configurazione Ip, Gateway; Mac Laptop2

The screenshot shows the 'Laptop2' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is active, showing settings for the 'FastEthernet0' interface. The 'Static' radio button is selected under both 'IP Configuration' and 'IPv6 Configuration'. The IPv4 settings are: IP Address 192.168.200.100, Subnet Mask 255.255.255.0, Default Gateway 192.168.200.1, and DNS Server 0.0.0.0. The IPv6 settings are: Link Local Address FE80::203:E4FF:FECD:9B65. The '802.1X' section is collapsed.

Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	<input checked="" type="radio"/> Static
IPv4 Address	192.168.200.100
Subnet Mask	255.255.255.0
Default Gateway	192.168.200.1
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> Automatic	<input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::203:E4FF:FECD:9B65
Default Gateway	
DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	
Authentication	MD5
Username	
Password	

Configurazione Router

The screenshot shows two side-by-side windows of the 'Router1' configuration. The left window shows the configuration for 'GigabitEthernet0/0' with the 'Static' radio button selected under 'ROUTING'. The right window shows the configuration for 'GigabitEthernet0/1' with the 'Static' radio button selected under 'ROUTING'. Both interfaces have the same IP configuration: IP Address 192.168.200.1, Subnet Mask 255.255.255.0, and Tx Ring Limit 10.

Interface	GigabitEthernet0/0	GigabitEthernet0/1
GLOBAL		
Settings	On	On
Algorithm Settings	Auto	Auto
ROUTING		
Static	<input checked="" type="radio"/>	<input checked="" type="radio"/>
RIP	<input type="radio"/>	<input type="radio"/>
SWITCHING		
VLAN Database		
INTERFACE		
IP Configuration		
IPv4 Address	192.168.200.1	192.168.200.1
Subnet Mask	255.255.255.0	255.255.255.0
Tx Ring Limit	10	10

Ping da Pc0 a Pc1 e Pc2

```
C:\>ping 192.168.200.100

Pinging 192.168.200.100 with 32 bytes of data:

Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.200.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>ping 192.168.100.103

Pinging 192.168.100.103 with 32 bytes of data:

Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.100.103:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

Quando inviamo un pacchetto , il Mac di destinazione varia mentre l'indirizzo Ip rimane invariato