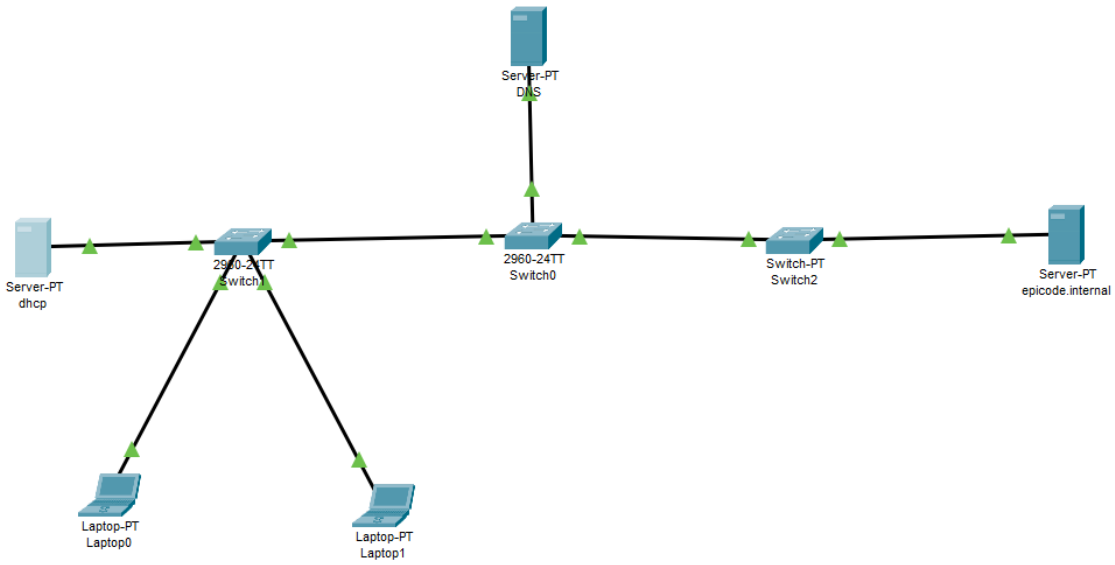
Esercitazione 4 - configurare server DHCP-DNS-HTTP

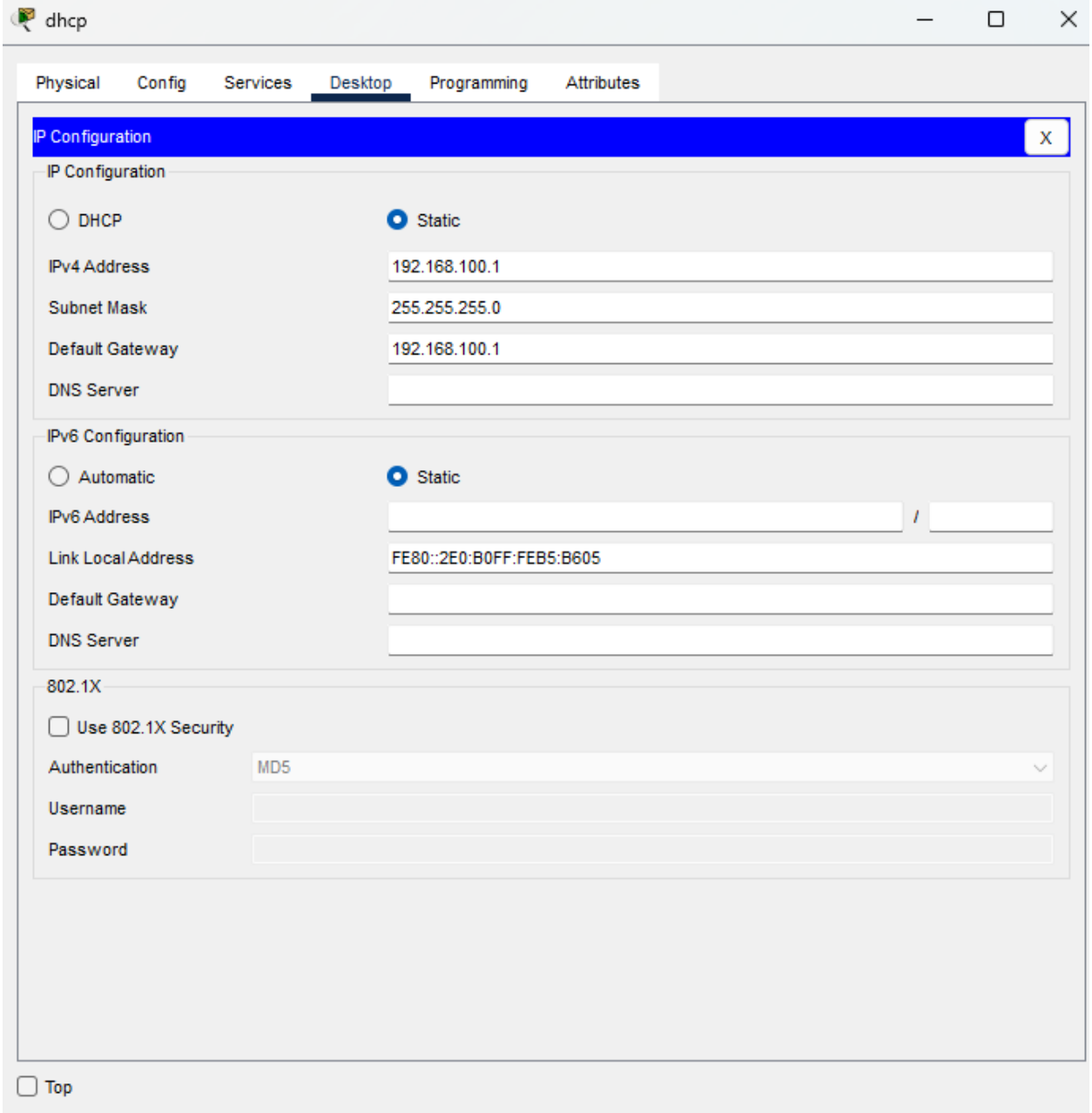
Riepilogo

Configurare su Cisco Packet trace 2 client e 3 server su cui impostare i servizi DHCP, DNS, HTTP

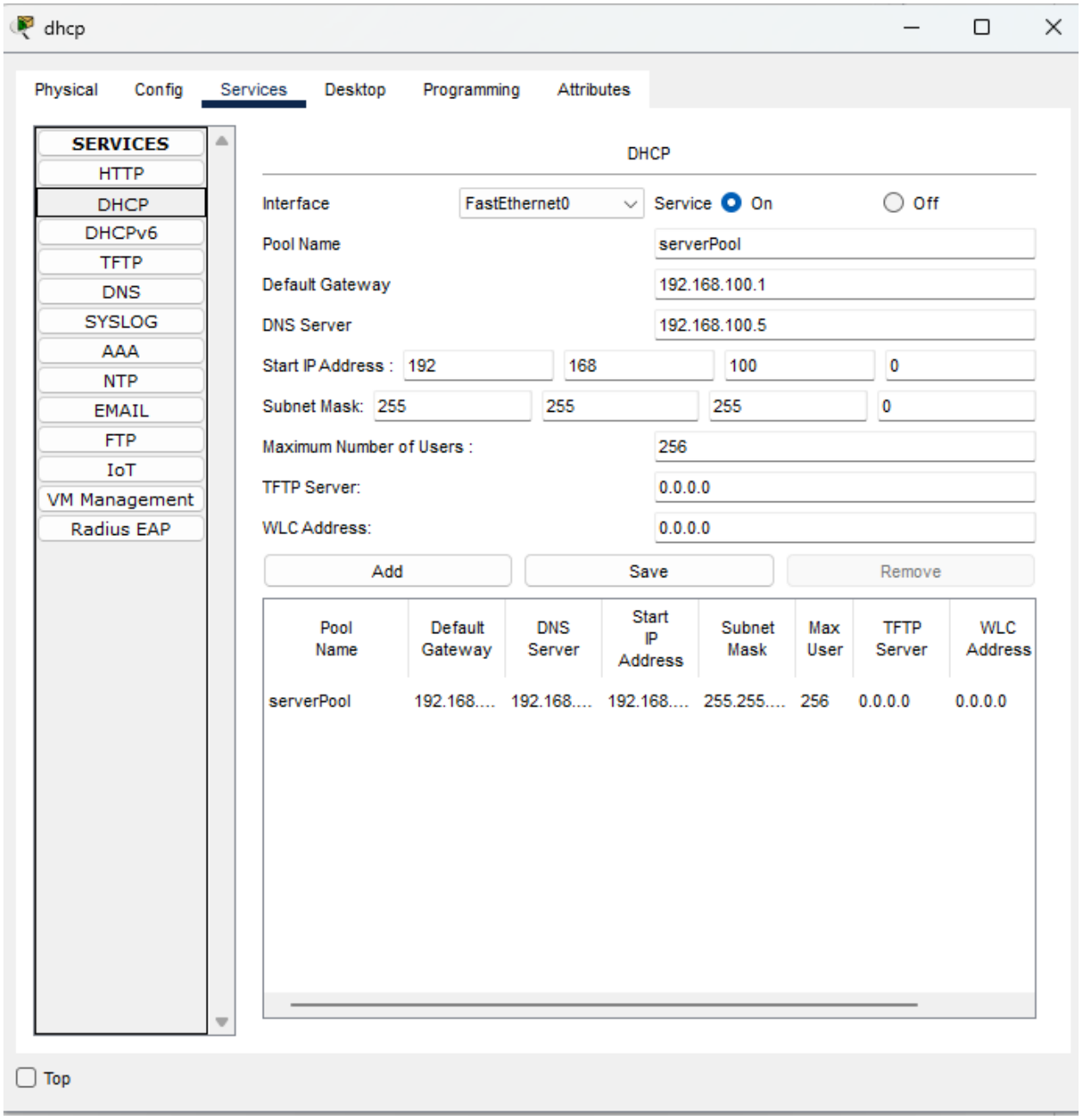


Fase 1: definizione e configurazione della rete

Configurazione del server DHCP

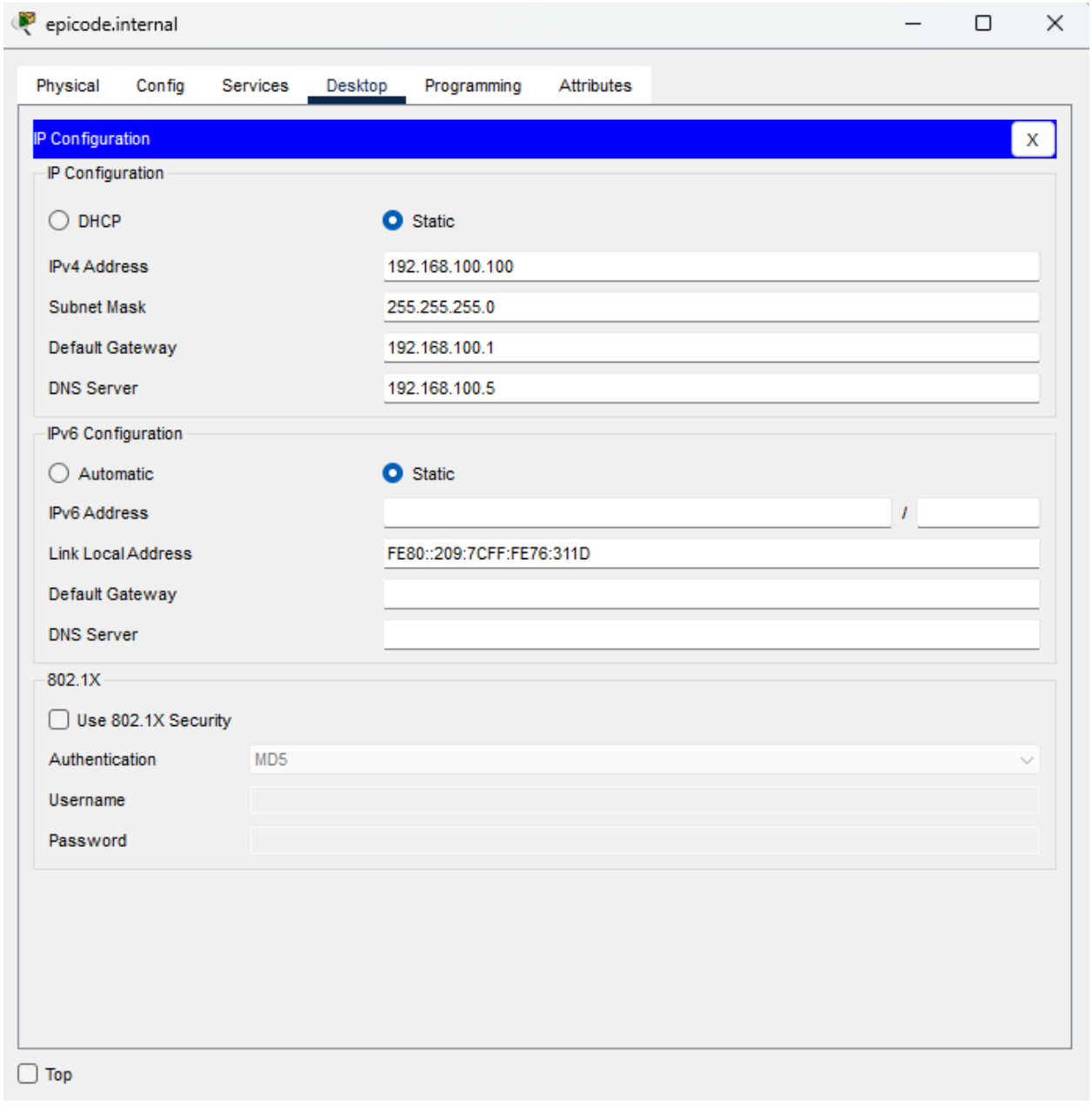


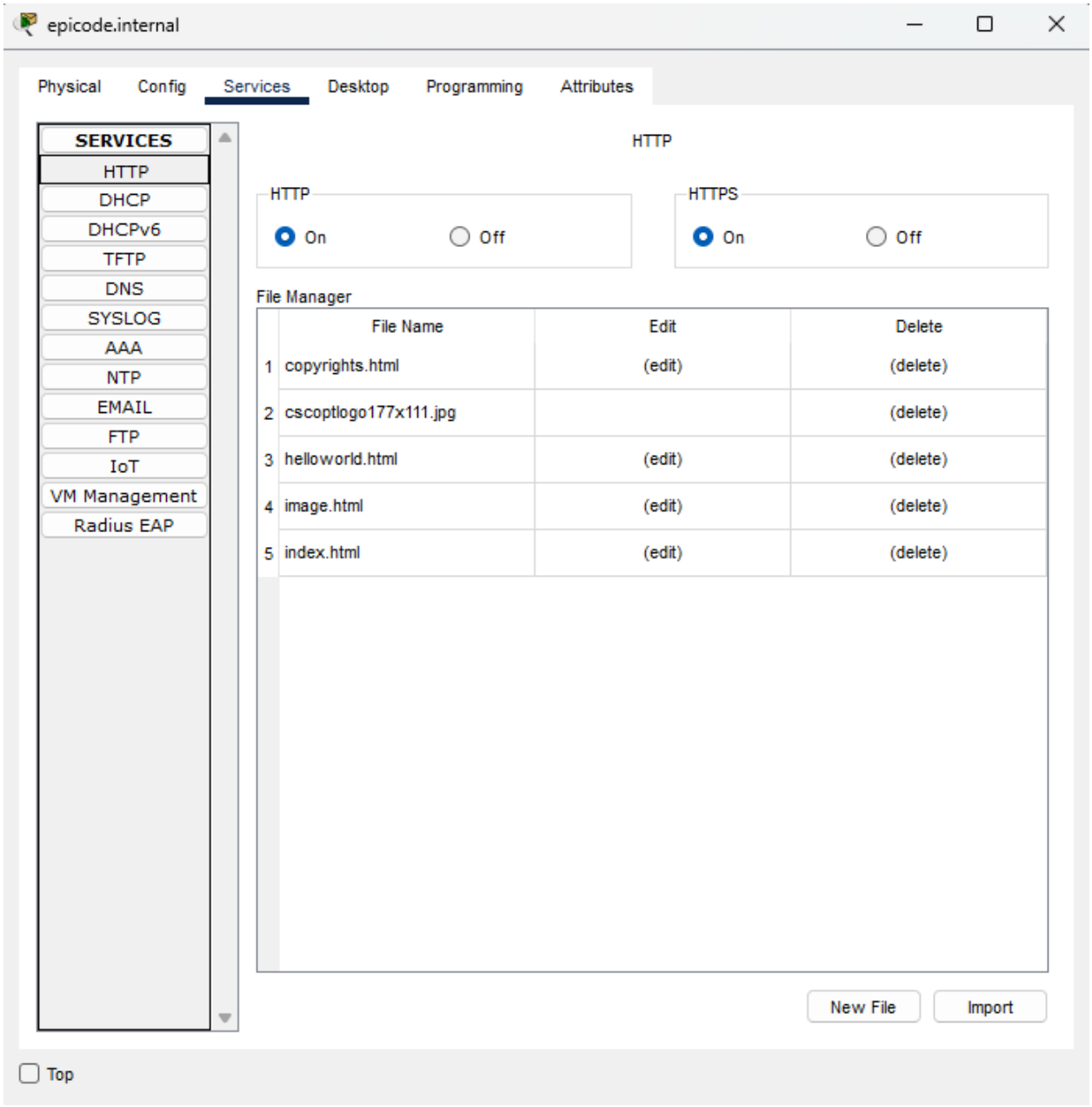
configurato ip , subnet e gateway è necessario configurare il servizio DHCP


dhcp
Physical
Config
Services
Desktop
Programming
Attributes
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
serverPool
Default Gateway
192.168.100.1
DNS Server
192.168.100.5
Start IP Address :
192
168
100
0
Subnet Mask:
255
255
255
0
Maximum Number of Users :
256
TFTP Server:
0.0.0.0
WLC Address:
0.0.0.0
Add
Save
Remove
Pool Name
Default Gateway
DNS Server
Start IP Address
Subnet Mask
Max User
TFTP Server
WLC Address
serverPool
192.168....
192.168....
192.168....
255.255....
256
0.0.0.0
0.0.0.0
Top

Configurazione server HTTP

Dopo aver eseguito anche qui la configurazione dell'ip del server :

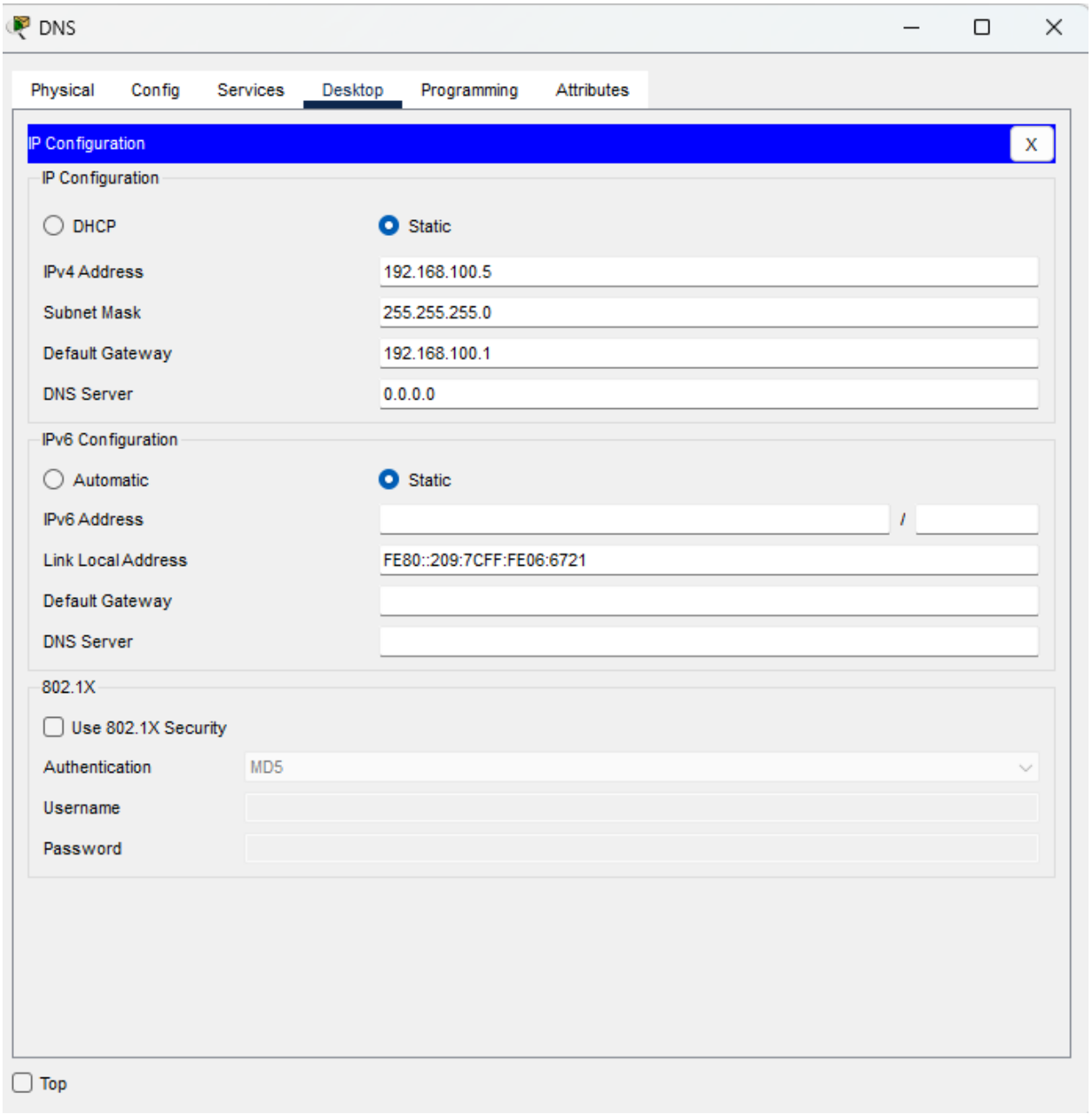


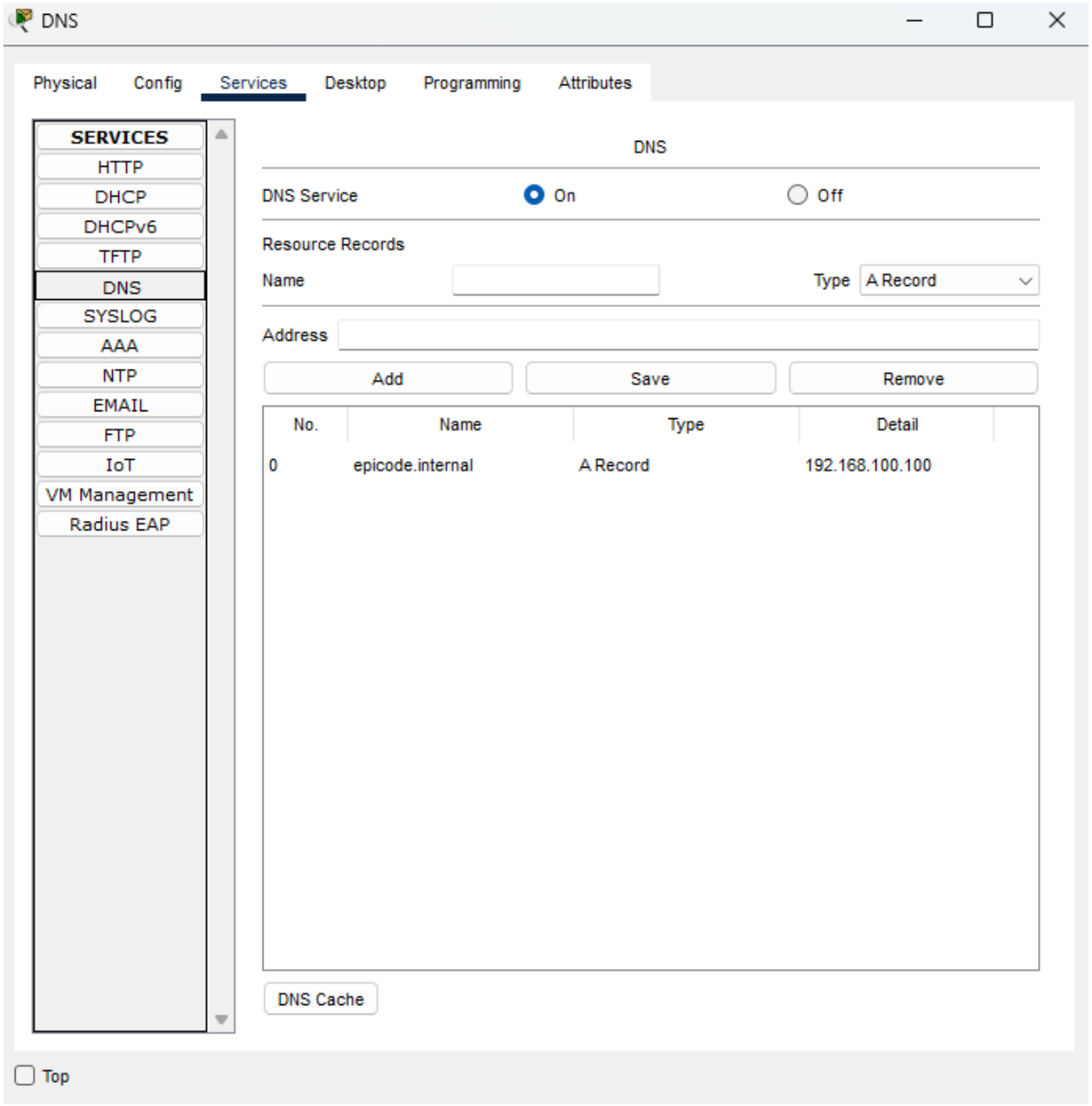


abilitiamo il servizio HTTP

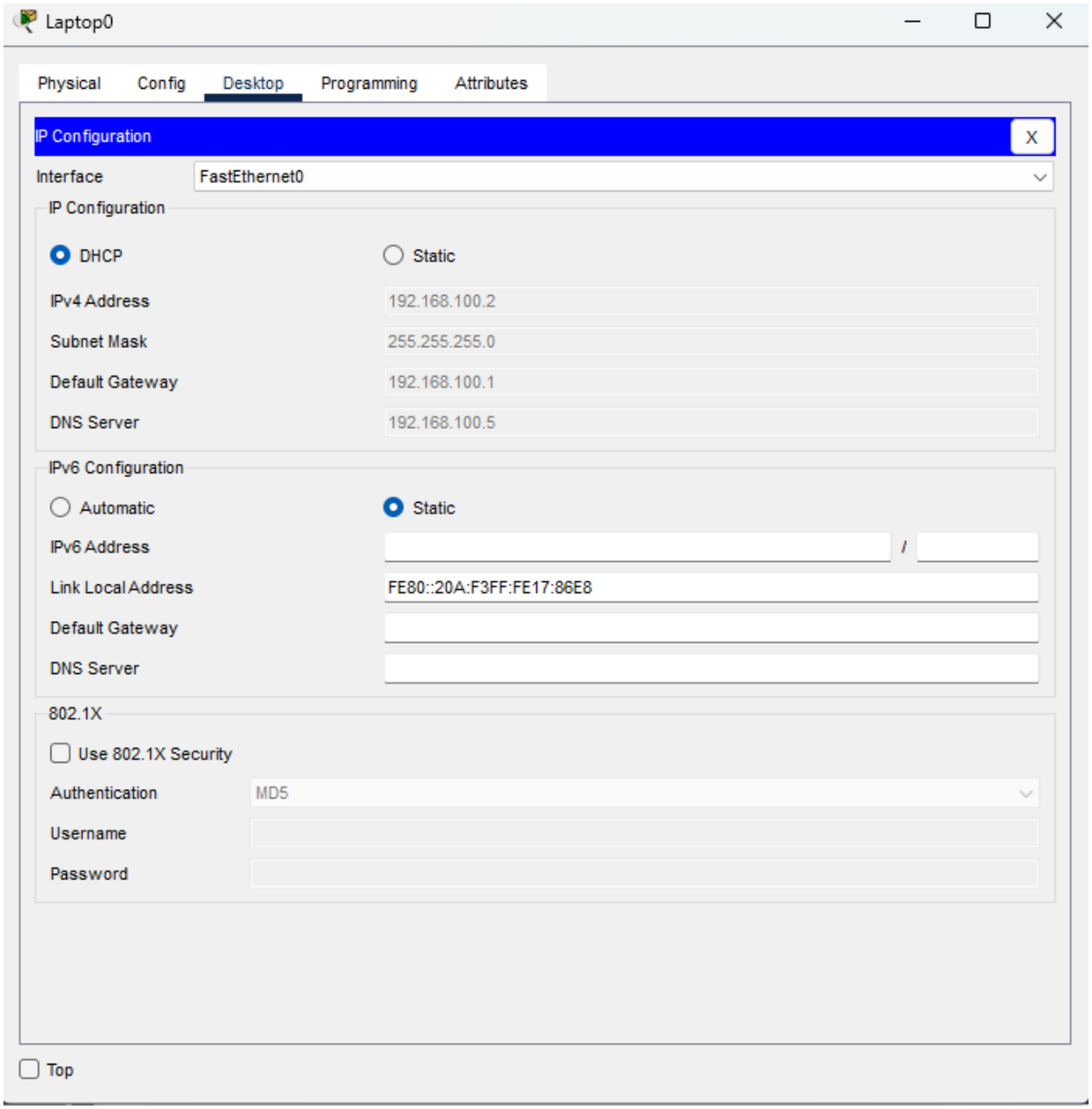
Configurazione server DNS

infine configuriamo il server DNS seguendo gli step già affrontati nei casi precedenti




DNS
Physical
Config
Services
Desktop
Programming
Attributes
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP
DNS
DNS Service
On
Off
Resource Records
Name
Type
A Record
Address
Add
Save
Remove
No.
Name
Type
Detail
0
epicode.internal
A Record
192.168.100.100
DNS Cache
Top

Configurazione client

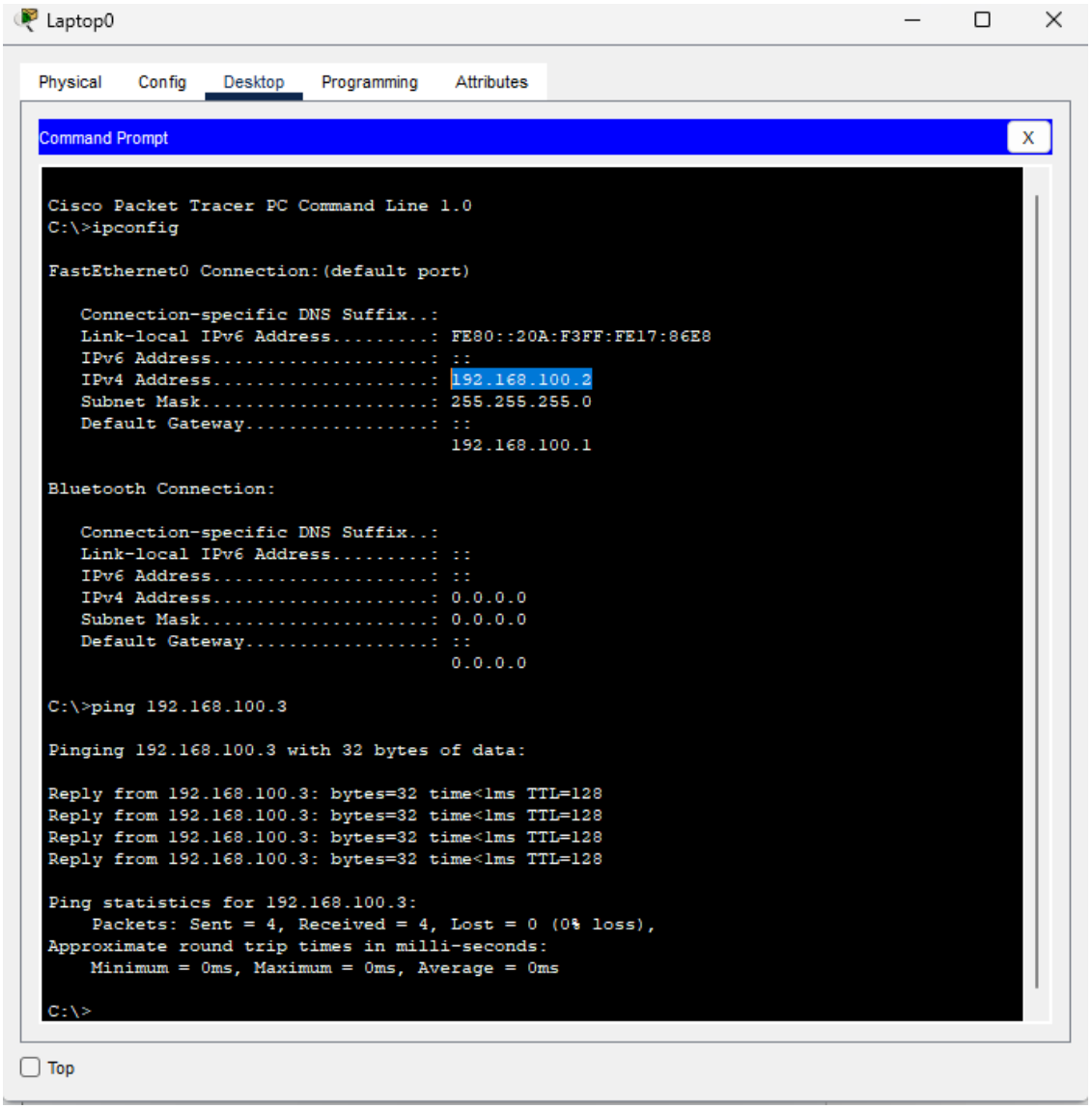


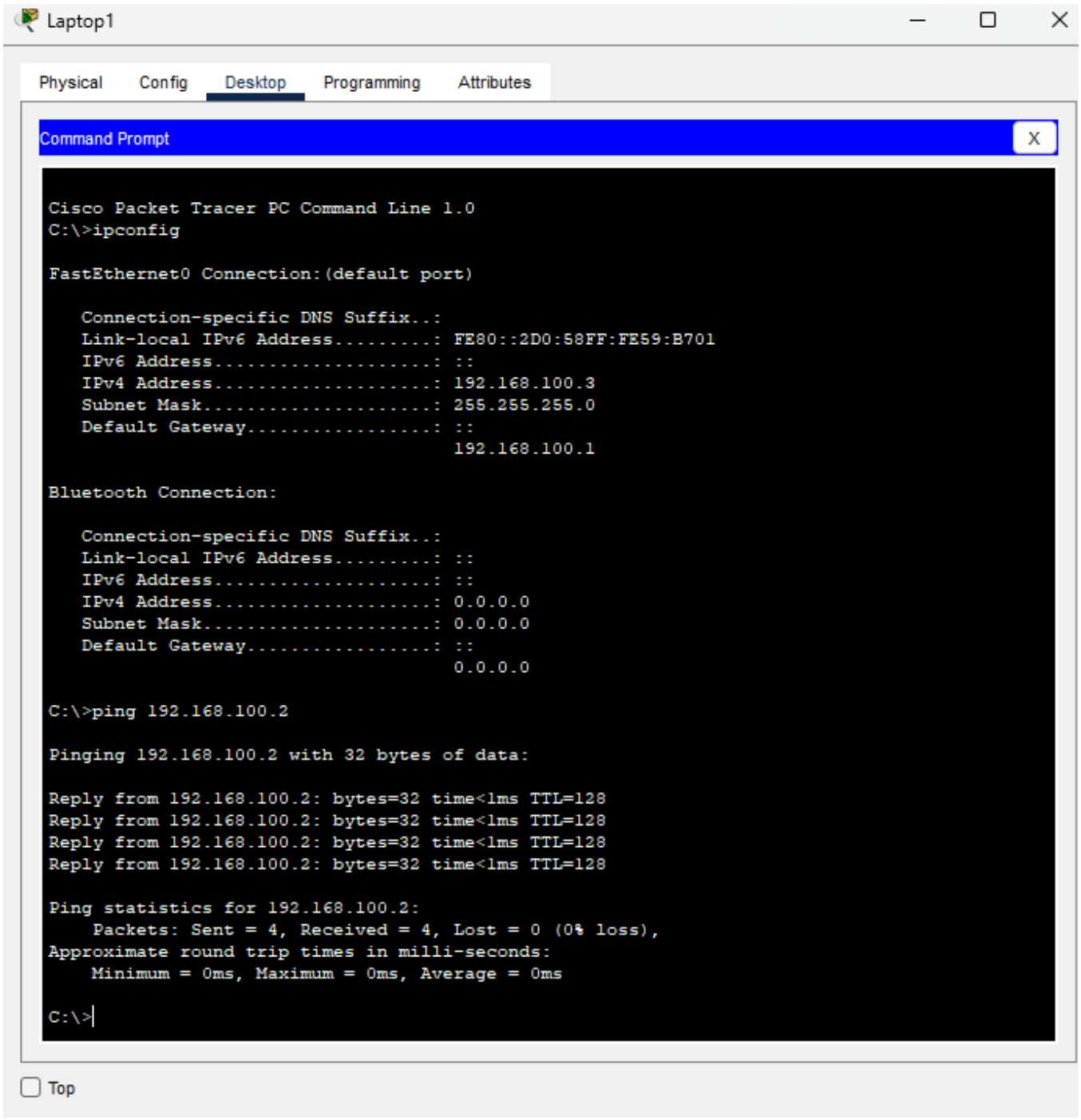
per configurare i client e verificare che si sia impostato il server DHCP correttamente , è bastato impostare nella sezione “ip configuration” DHCP e automaticamente verrà selezionata la

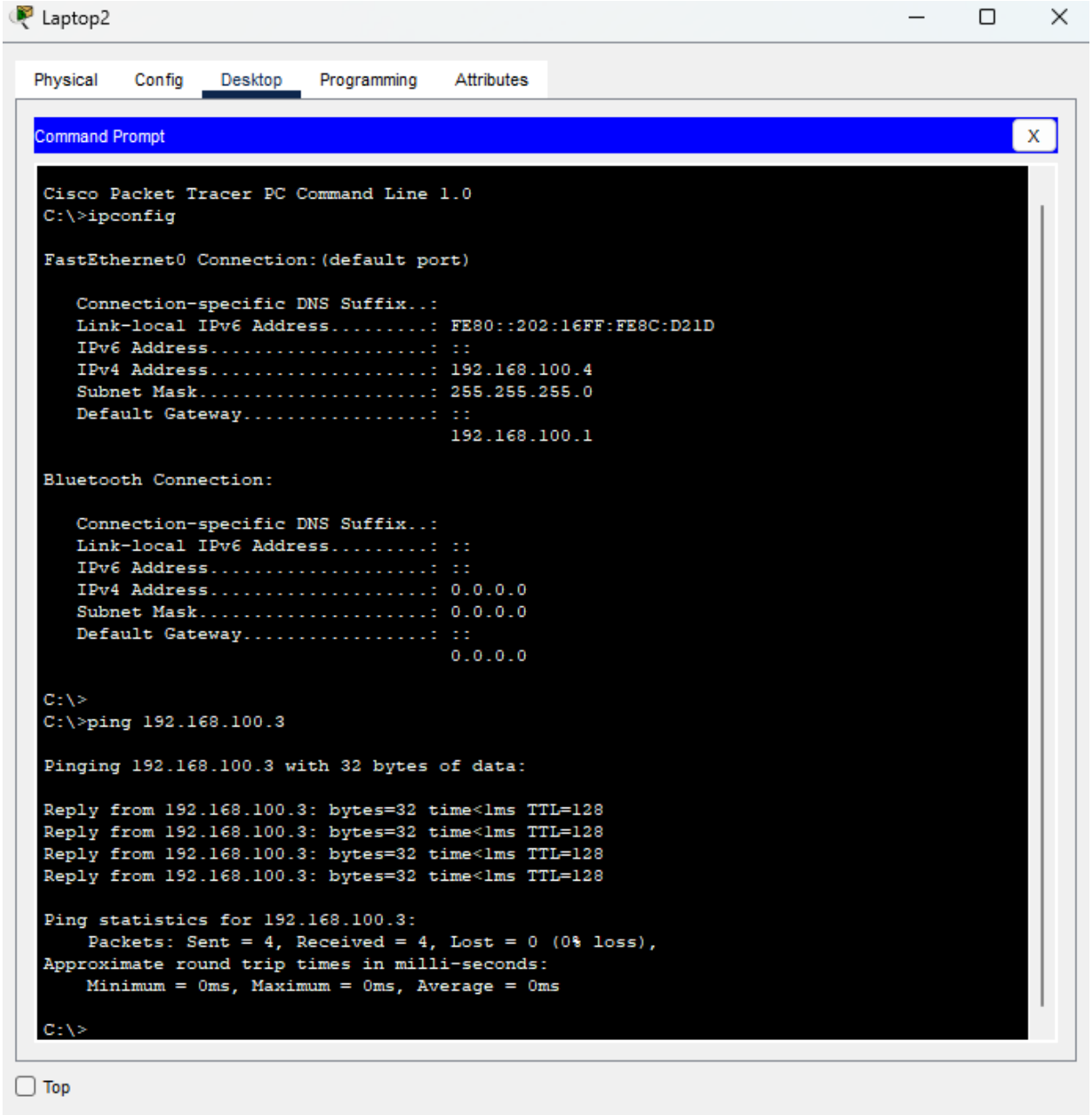
configurazione corretta. NB. Per rendere la configurazione funzionante è stato necessario aggiungere nella configurazione del server DHCP il DNS definito dopo , in modo tale da raggiungere il sito da qualunque client configurato.

Fase 2: Test della rete:

Ping tra i client



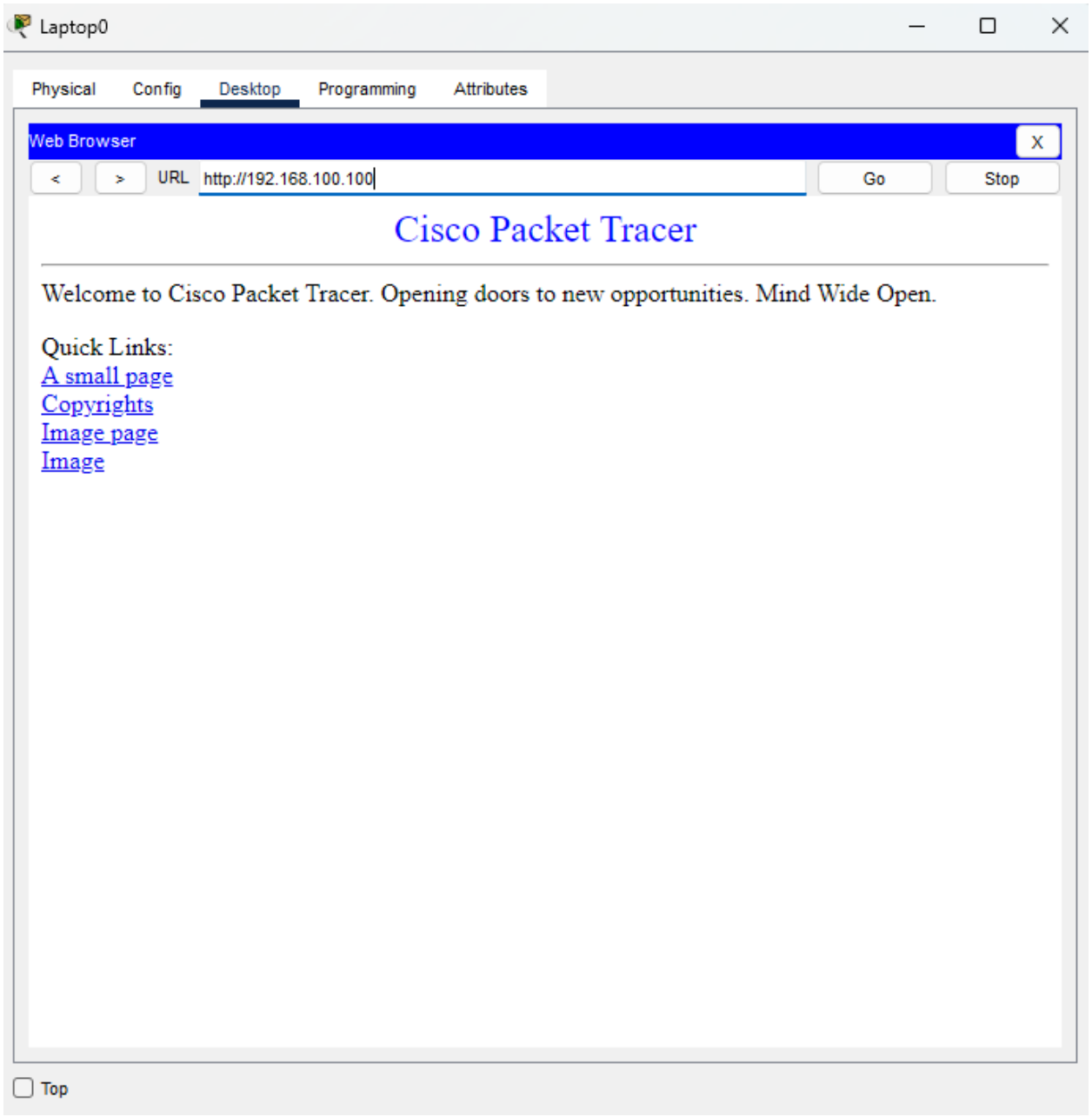

Laptop1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig
FastEthernet0 Connection:(default port)
Connection-specific DNS Suffix..:
Link-local IPv6 Address.....: FE80::2D0:58FF:FE59:B701
IPv6 Address.....: ::
IPv4 Address.....: 192.168.100.3
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
192.168.100.1
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 192.168.100.2
Pinging 192.168.100.2 with 32 bytes of data:
Reply from 192.168.100.2: bytes=32 time<1ms TTL=128
Reply from 192.168.100.2: bytes=32 time<1ms TTL=128
Reply from 192.168.100.2: bytes=32 time<1ms TTL=128
Reply from 192.168.100.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.100.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
Top

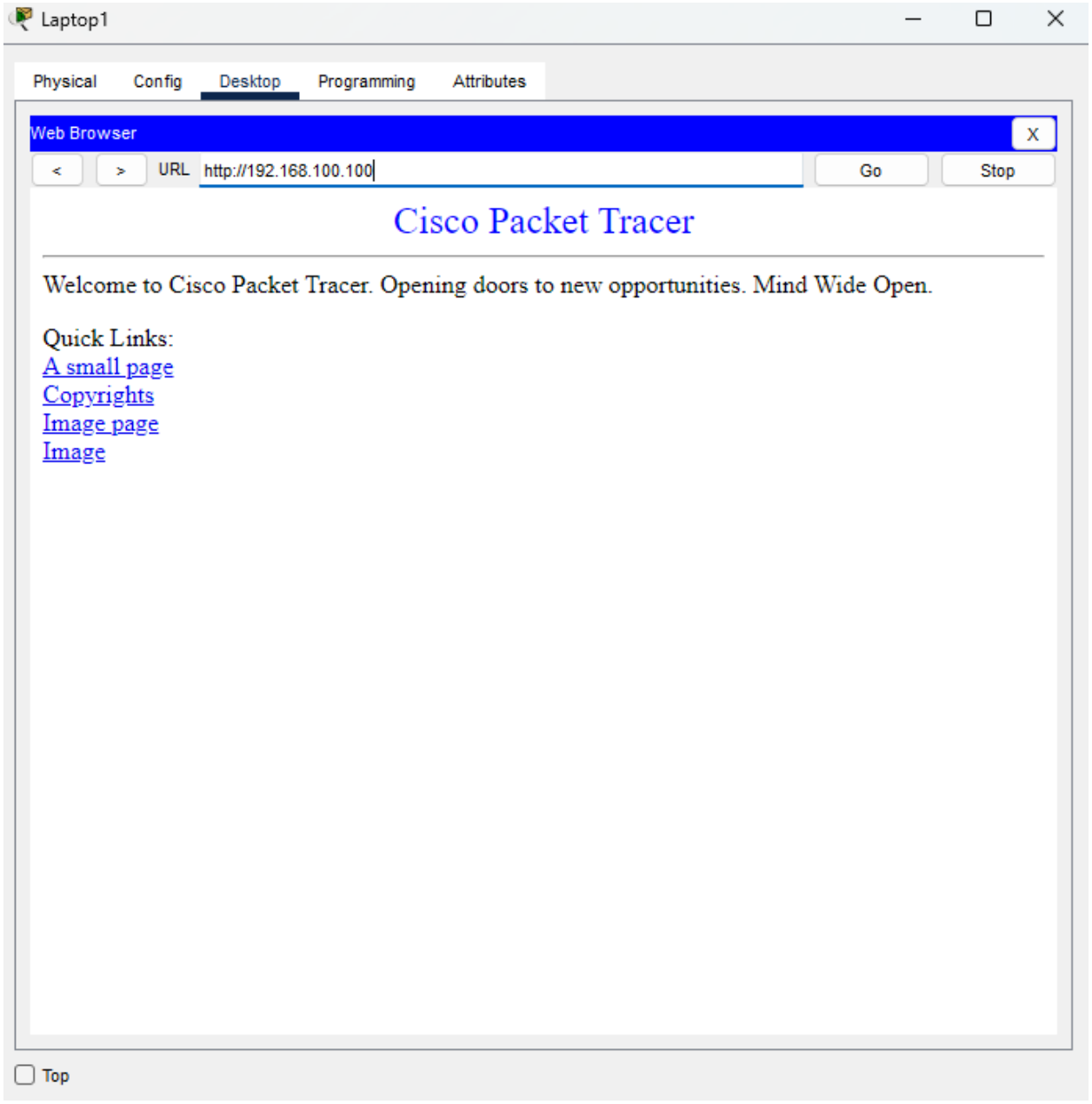


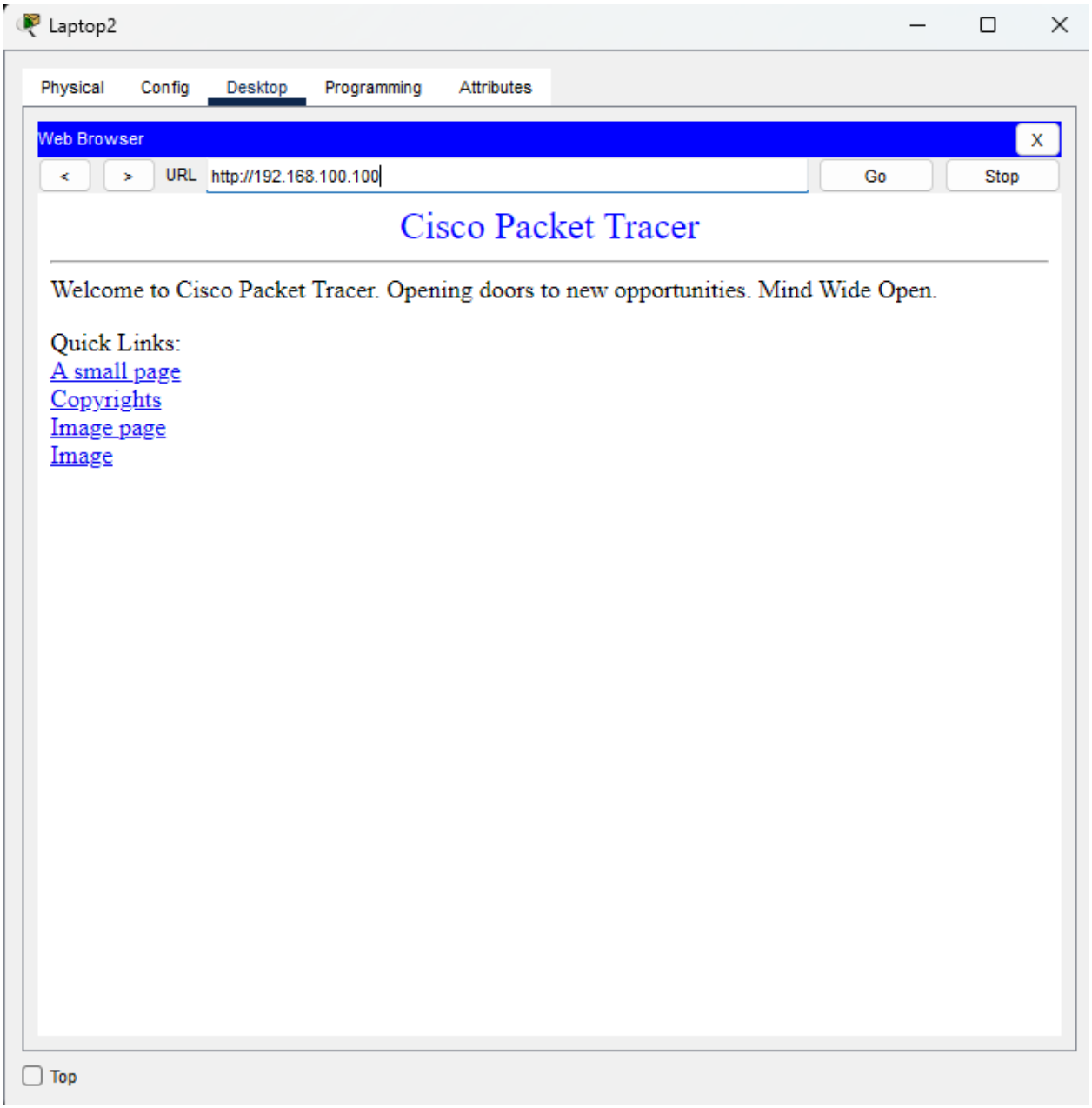
Test server DHCP

com'è possibile vedere nella sezione " configurazione client" è bastato impostare nella tab "ip config" il servizio DHCP per far si che vengano assegnati gli ip automaticamente.

Test Server HTTP

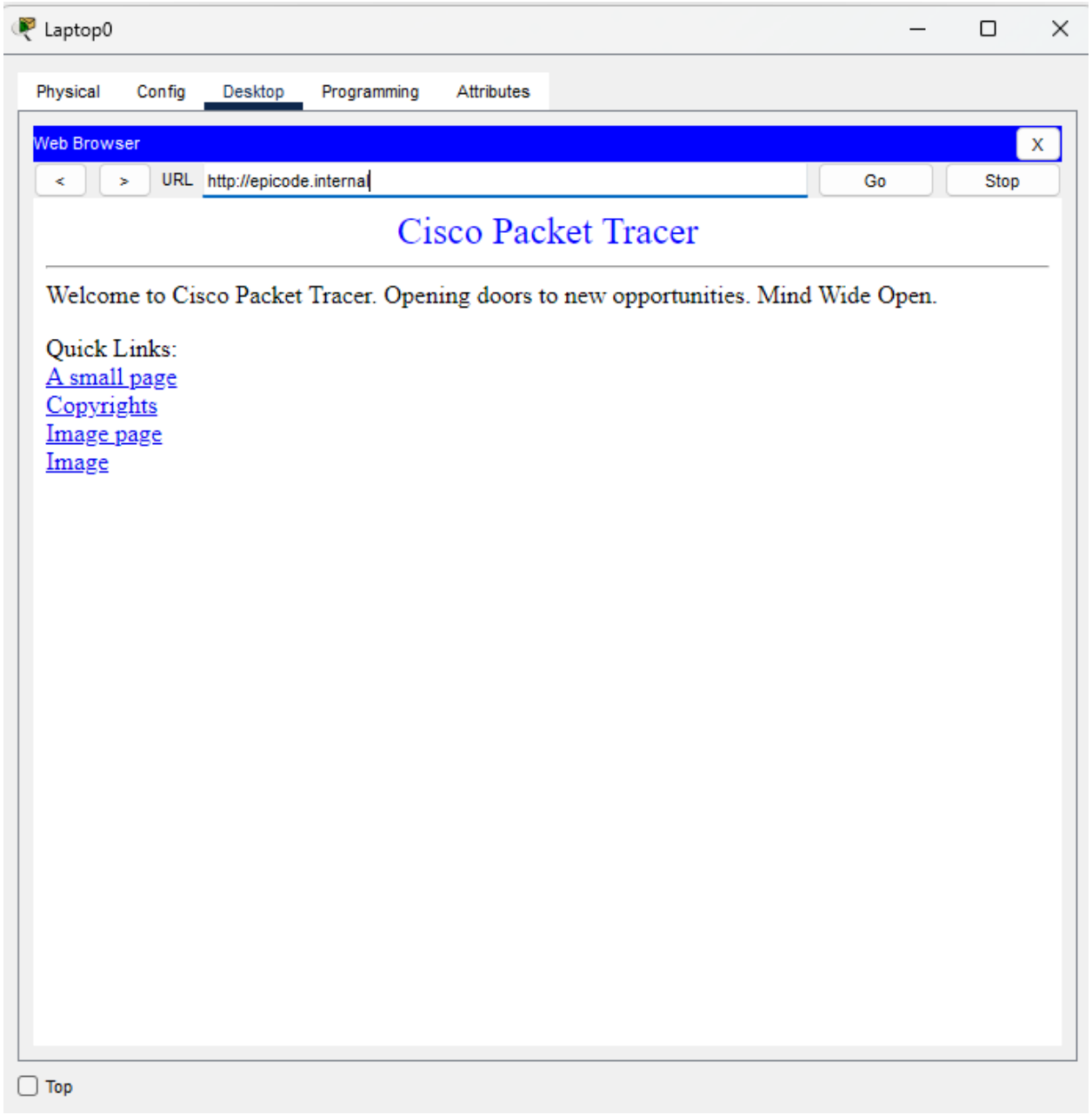


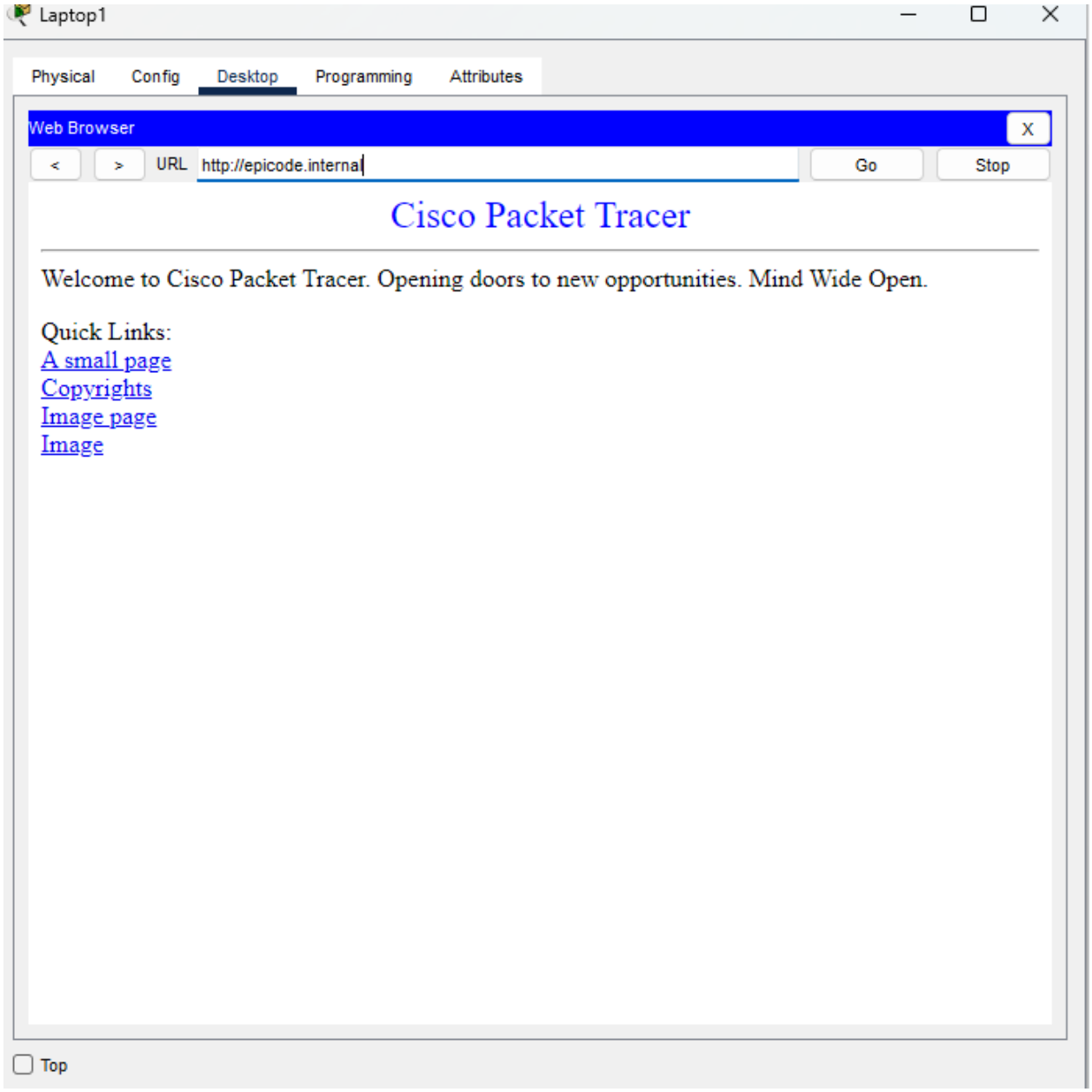

Laptop1
Physical
Config
Desktop
Programming
Attributes
Web Browser
X
<
>
URL
http://192.168.100.100
Go
Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image
Top

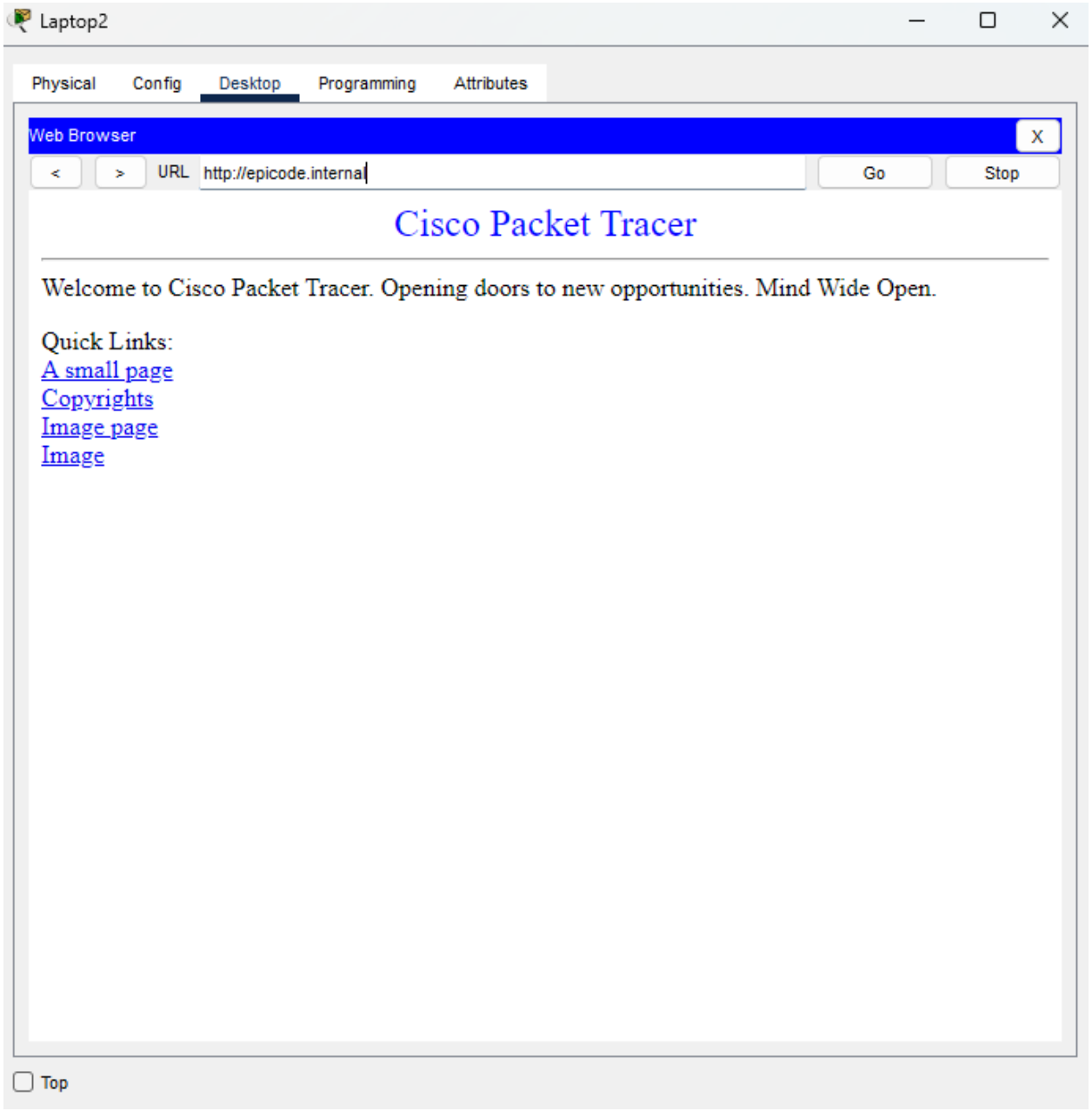


è dunque possibile raggiungere il sito da qualunque client

Test DNS


Laptop0
Physical
Config
Desktop
Programming
Attributes
Web Browser
X
<
>
URL
http://epicode.internal
Go
Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image
Top


Laptop1
Physical
Config
Desktop
Programming
Attributes
Web Browser
X
<
>
URL
http://epicode.internal
Go
Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image
Top


Laptop2
Physical
Config
Desktop
Programming
Attributes
Web Browser
X
<
>
URL
http://epicode.internal
Go
Stop
Cisco Packet Tracer
Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.
Quick Links:
A small page
Copyrights
Image page
Image
Top