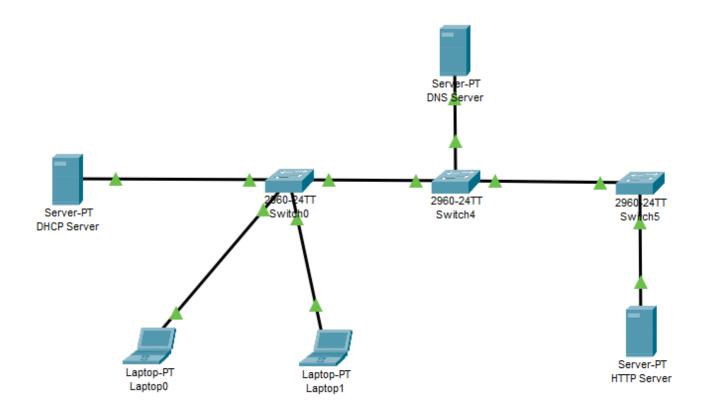
Configurazione di una rete con server DNS, HTTP e DHCP

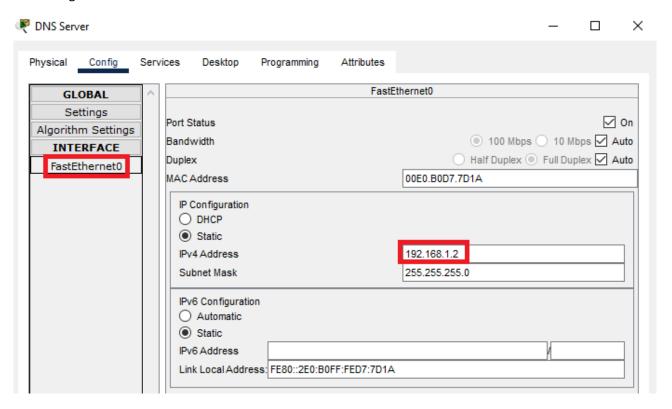


Software utilizzato: Cisco Packet Tracer

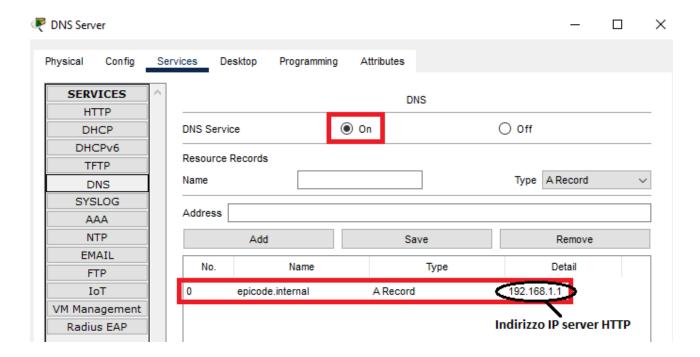
Composizione rete:

- 1 Server HTTP
- 1 Server DNS
- 1 Server DHCP
- 2 PC Laptop
- 3 Switch 2960-24TT
- 1. Configurazione dei Server con indirizzi IP statici

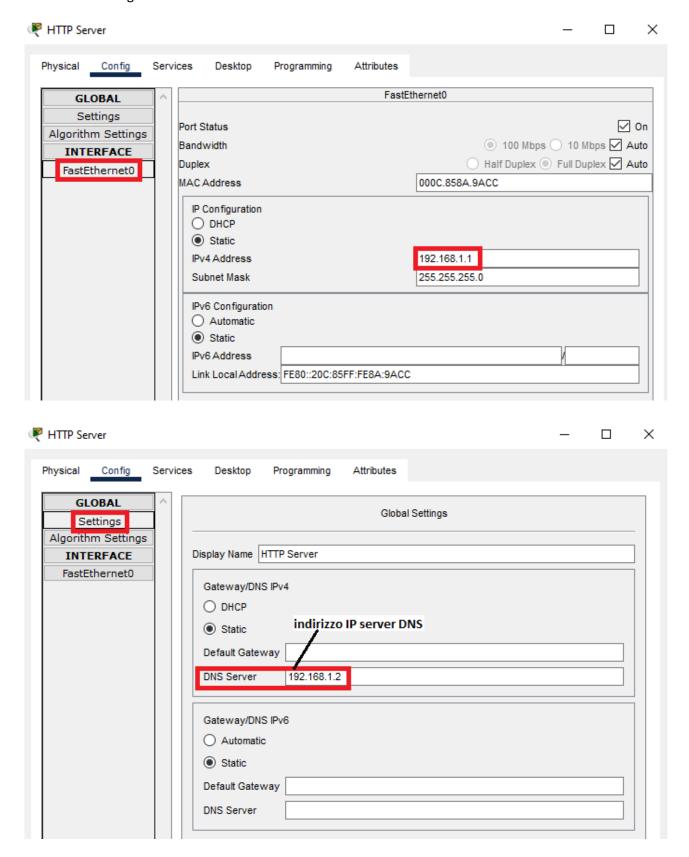
1.1 Configurazione Server DNS



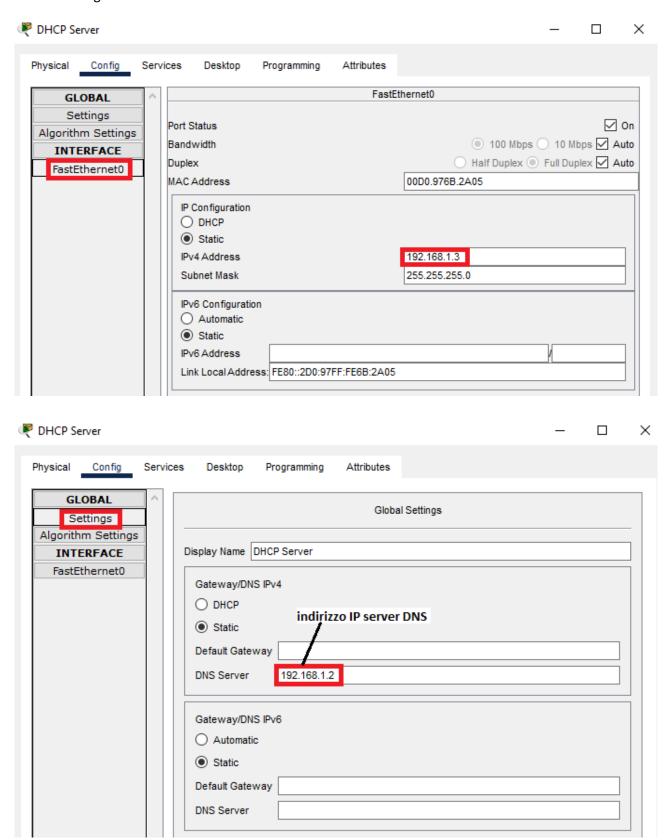
1.1.1 Configurazione di un "Record A" con nome **epicode.internal** associato all'indirizzo IP del server HTTP

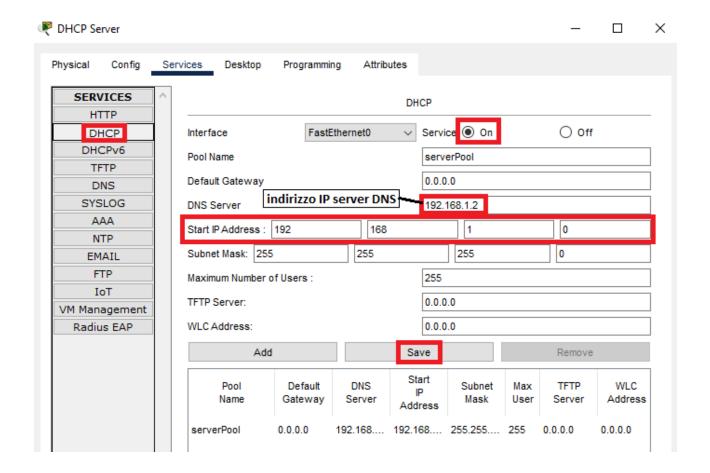


1.2 Configurazione Server HTTP

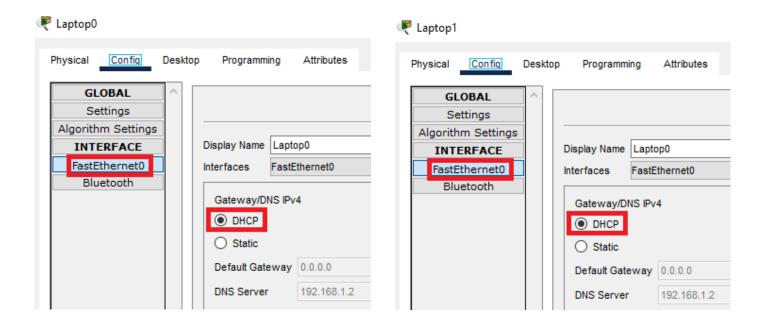


1.3 Configurazione Server DHCP





2. Attivazione del protocollo DHCP sui due Client (*Laptop0* e *Laptop1*), affinché venga loro assegnato un indirizzo IP dal Server DHCP.



3. Verifica della configurazione delle interfacce di rete sui due Client, eseguendo il comando ipconfig /all

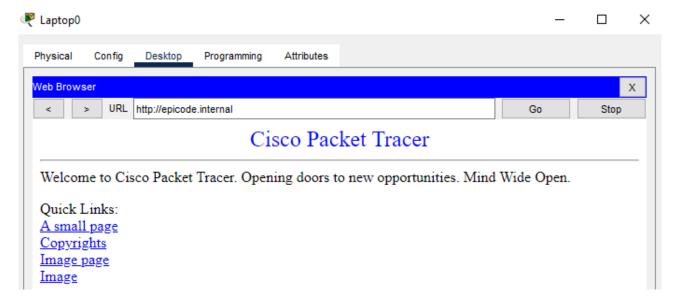


```
Physical
       Config
              Desktop
                     Programming
                                Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ipconfig /all
FastEthernet0 Connection: (default port)
   Connection-specific DNS Suffix..:
   Physical Address...... 00D0.BAC7.E283
   Link-local IPv6 Address..... FE80::2D0:BAFF:FEC7:E283
   IPv6 Address.....::::
   IPv4 Address..... 192.168.1.4
   Subnet Mask..... 255.255.255.0
   Default Gateway....:
                               0.0.0.0
   DHCP Servers..... 192.168.1.3
   DHCPv6 IAID....:
   DHCPv6 Client DUID......: 00-01-00-01-B2-7D-99-CB-00-D0-BA-C7-E2-83
   DNS Servers....: ::
                                192.168.1.2
Bluetooth Connection:
   Connection-specific DNS Suffix..:
   Physical Address..... 000B.BE71.192B
   Link-local IPv6 Address....: ::
```

Laptop1

```
Physical
       Config
             Desktop
                     Programming
                               Attributes
Command Prompt
C:\>ipconfig /all
FastEthernet0 Connection: (default port)
   Connection-specific DNS Suffix..:
   Physical Address..... 00E0.A3CB.D1D3
   Link-local IPv6 Address..... FE80::2E0:A3FF:FECB:D1D3
   IPv6 Address....: ::
   IPv4 Address...... 192.168.1.5
   Subnet Mask..... 255.255.255.0
   Default Gateway....: ::
                               0.0.0.0
   DHCP Servers..... 192.168.1.3
   DHCPv6 IAID.....
   DHCPv6 Client DUID.........: 00-01-00-01-6D-0E-5C-96-00-E0-A3-CB-D1-D3
   DNS Servers.....
                               192.168.1.2
Bluetooth Connection:
   Connection-specific DNS Suffix..:
   Physical Address...... 0002.179B.1AB1
   Link-local IPv6 Address....: ::
```

- 4. Verifica su Client della corretta risoluzione dell'indirizzo epicode.internal da parte del server DNS
- 4.1 Tramite browser:



4.2 Tramite prompt dei comandi:

```
C:\>nslookup epicode.internal

Server: [192.168.1.2]

Address: 192.168.1.2

Non-authoritative answer:

Name: epicode.internal

Address: 192.168.1.1
```