

## WEB SERVER

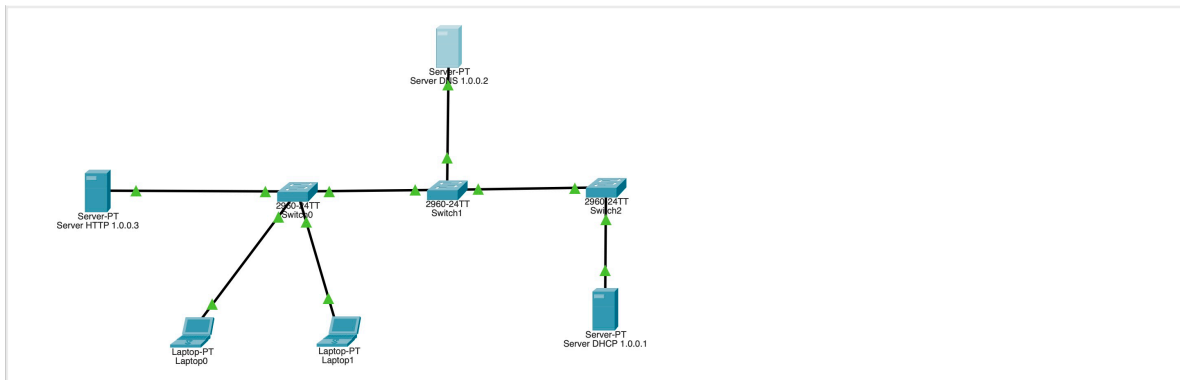
La lezione di oggi prevede la configurazione dei server HTTP, DNS, DHCP e realizzazione web server.

### Materiali e accessori

- 2 Laptop
- 2 Switch
- 3 Server(HTTP-DNS-DHCP)

I passaggi da seguire sono i seguenti:

Configurare e impostare tutti gli indirizzi IP dei vari Device nella sezione "Desktop-IP configuration"



Devices	IP Address	SUBNET MASK
Laptop 0	1.0.0.4	255.0.0.0
Laptop 1	1.0.0.5	255.0.0.0
Server DHCP	1.0.0.1	255.0.0.0
Server DNS	1.0.0.2	255.0.0.0
Server HTTP	1.0.0.3	255.0.0.0

Server DHCP 1.0.0.1

PhysicalConfigServicesDesktopProgrammingAttributes

IP Configuration

IP Configuration

DHCP

Static

IPv4 Address

1.0.0.1

Subnet Mask

255.0.0.0

Default Gateway

0.0.0.0

DNS Server

1.0.0.2

IPv6 Configuration

Automatic

Static

IPv6 Address

/

Link Local Address

FE80::200:CFF:FE5E:ED8C

Default Gateway

DNS Server

802.1X

Use 802.1X Security

Authentication

MD5

Username

Password

Top

Impostati tutti gli indirizzi IP per i server, attivati con comando "ON", e collegati fra loro; creare automaticamente per i laptop degli indirizzi IP in DHCP.

Laptop0

Physical Config **Desktop** Programming Attributes

IP Configuration [X]

Interface FastEthernet0 [v]

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IPv4 Address 1.0.0.4

Subnet Mask 255.0.0.0

Default Gateway 0.0.0.0

DNS Server 1.0.0.2

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address /

Link Local Address FE80::250:FFF:FE8D:C87D

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5 [v]

Username

☐ Top

Ora procediamo alla creazione del browser web sul server DNS con nome "epicode.internal".

Server DNS 1.0.0.2

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** 

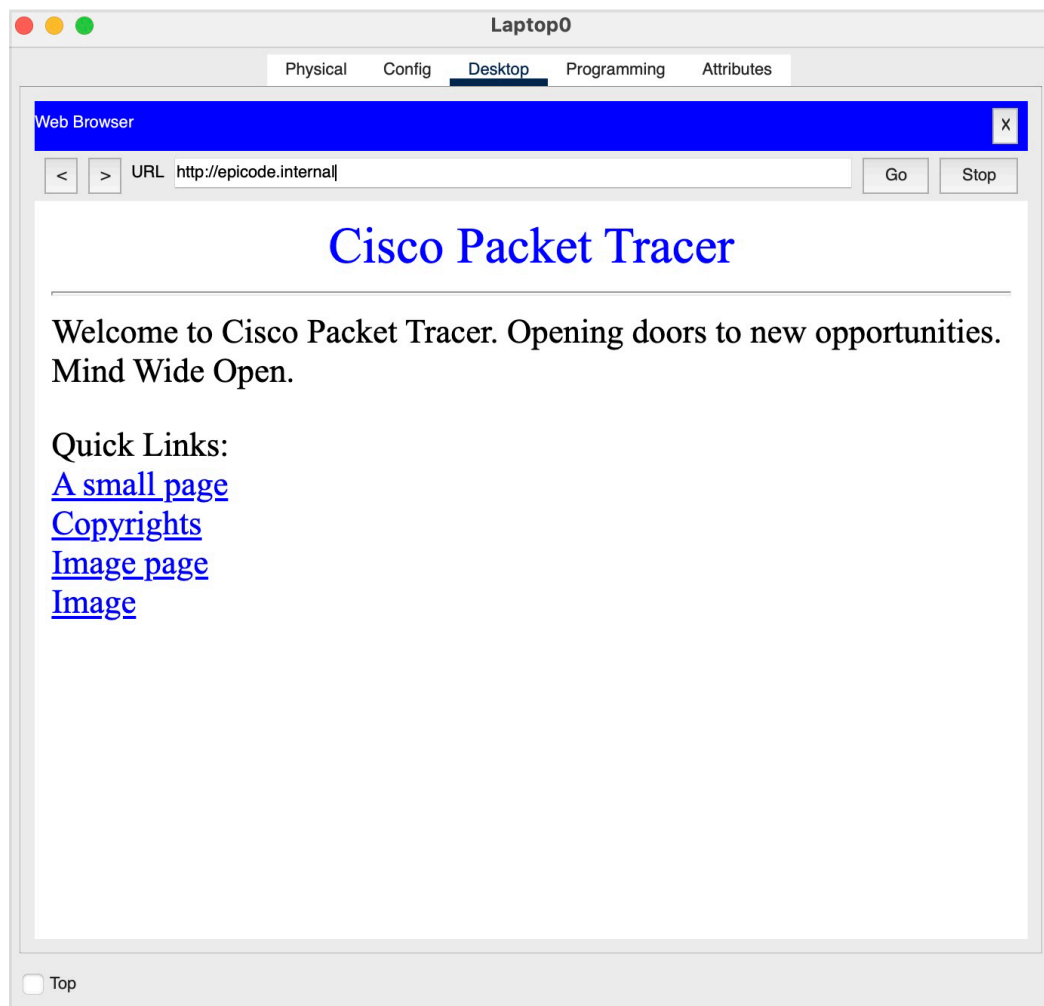
Address

No.	Name	Type	Detail
0	epicode.internal	A Record	1.0.0.3

Se tutto è stato svolto correttamente cercare il sito nella funzione: "Desktop-Web Browser" e digitare il nome: epicode.internal.

Se il sito viene trovato significa che hai svolto i passaggi correttamente.

PS. È possibile controllare lo stato di collegamento fra laptop e browser nella funzione "Command Prompt" come in figura.



```
C:\>ping 1.0.0.4

Pinging 1.0.0.4 with 32 bytes of data:

Reply from 1.0.0.4: bytes=32 time=17ms TTL=128
Reply from 1.0.0.4: bytes=32 time=13ms TTL=128
Reply from 1.0.0.4: bytes=32 time<1ms TTL=128
Reply from 1.0.0.4: bytes=32 time=14ms TTL=128

Ping statistics for 1.0.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 17ms, Average = 11ms

C:\>ping epicode.internal

Pinging 1.0.0.3 with 32 bytes of data:

Reply from 1.0.0.3: bytes=32 time<1ms TTL=128
Reply from 1.0.0.3: bytes=32 time<1ms TTL=128
Reply from 1.0.0.3: bytes=32 time<1ms TTL=128
Reply from 1.0.0.3: bytes=32 time<1ms TTL=128

Ping statistics for 1.0.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```