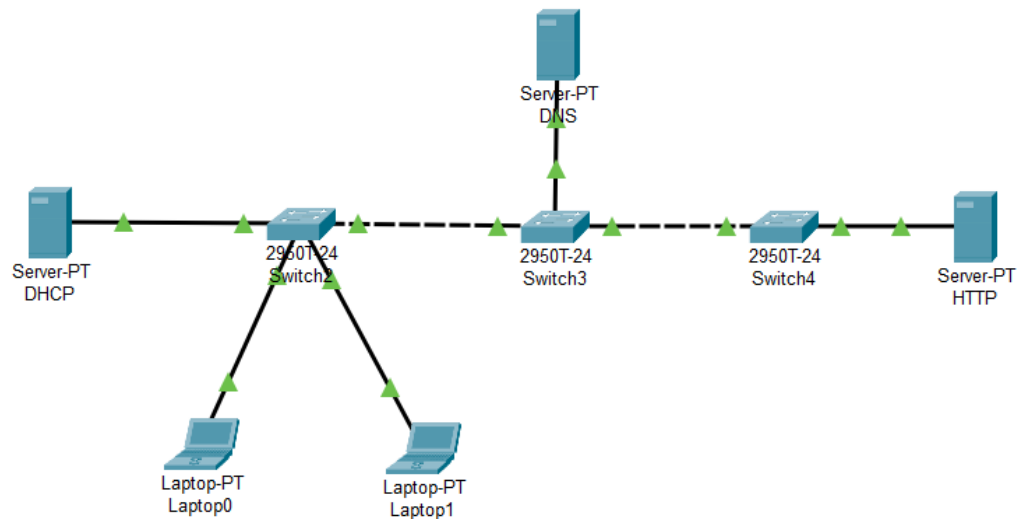


Esercitazione del 01/06/2023

Esercitazione: **Strutturare Server DHCP,DNS e HTTP**

Realizzazione della struttura di rete:



Realizzazione e configurazione DHCP Server con Client in 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: Pool1

Default Gateway: 192.168.10.1

DNS Server: 192.168.10.2

Start IP Address: 192.168.10.5

Subnet Mask: 255.255.255.0

Maximum Number of Users: 251

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
Pool1	192.168.10.1	192.168.10.2	192.168.10.5	255.255.255.0	251	0.0.0.0	0.0.0.0
serverPool	0.0.0.0	0.0.0.0	192.168.10.0	255.255.255.0	512	0.0.0.0	0.0.0.0

Laptop0

```
C:\>ipconfig /all

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...:
Physical Address.....: 00D0.BA6B.E893
Link-local IPv6 Address.....: FE80::2D0:BAFF:FE6B:E893
IPv6 Address.....: ::
IPv4 Address.....: 192.168.10.6
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
0.0.0.0
DHCP Servers.....: 192.168.10.1
DHCPv6 IAID.....:
DHCPv6 Client DUID.....: 00-01-00-01-E8-C7-41-43-00-D0-BA-6B-E8-93
DNS Servers.....: ::
192.168.10.2
```

Laptop1

```
C:\>ipconfig /all

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...:
Physical Address.....: 0060.5C72.0B44
Link-local IPv6 Address.....: FE80::260:5CFF:FE72:B44
IPv6 Address.....: ::
IPv4 Address.....: 192.168.10.7
Subnet Mask.....: 255.255.255.0
Default Gateway.....: ::
0.0.0.0
DHCP Servers.....: 192.168.10.1
DHCPv6 IAID.....:
DHCPv6 Client DUID.....: 00-01-00-01-A6-C6-0A-A6-00-60-5C-72-0B-44
DNS Servers.....: ::
192.168.10.2
```

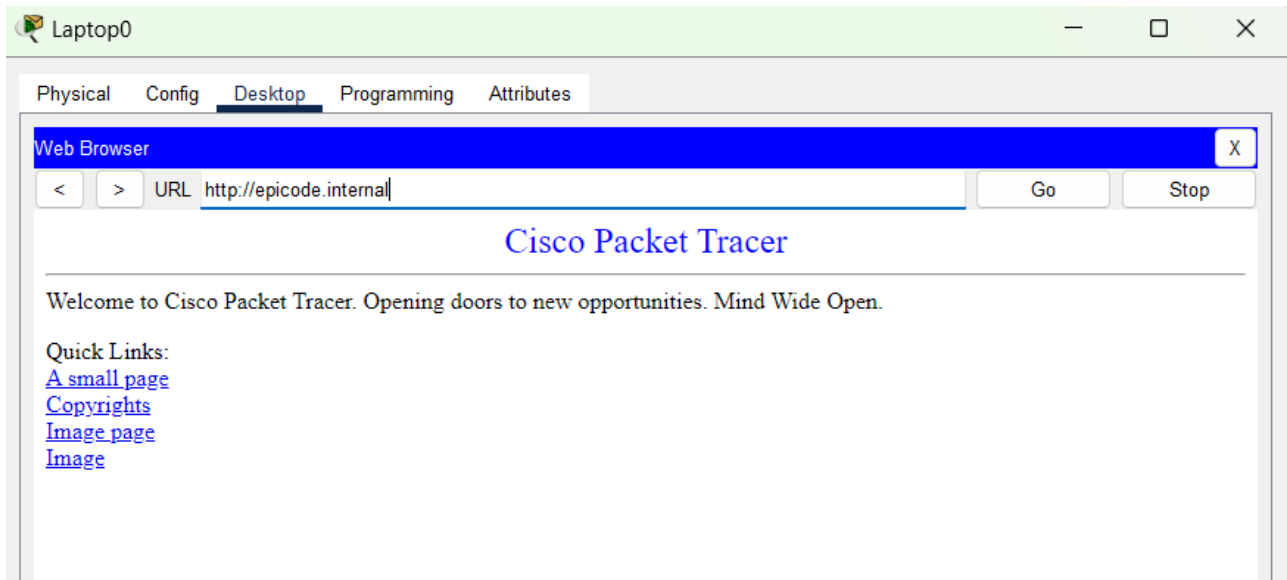
Configurazione di un Record sul server DNS

The screenshot shows a web-based configuration interface for a DNS server. The 'Services' tab is selected, and the 'DNS' service is turned 'On'. Below this, there is a section for 'Resource Records' with a form to add new records. A table at the bottom displays the current records.

No.	Name	Type	Detail
0	epicode.internal	A Record	192.168.10.3

Configurazione Server HTTP con verifica su epicode.internal:

Verifica eseguita da Laptop0:



```
C:\>ping epicode.internal

Pinging 192.168.10.3 with 32 bytes of data:

Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Reply from 192.168.10.3: bytes=32 time=11ms TTL=128
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128
Reply from 192.168.10.3: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 11ms, Average = 2ms
```