

DHCP

Come prima cosa ho configurato le impostazioni del server, assegnando l'indirizzo IP, Subnet e Gateway.

Successivamente ho impostato i parametri DHCP, utilizzando un range che parte dall'IP 192.168.100.50 con un massimo di 80 dispositivi.

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

192.168.100.102

Subnet Mask

255.255.255.0

Default Gateway

192.168.100.1

DNS Server

0.0.0.0

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

10.0.0.0

Start IP Address :

192

168

100

50

Subnet Mask:

255

255

255

0

Maximum Number of Users :

80

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....	10.0.0.0	192.168....	255.255....	80	0.0.0.0	0.0.0.0

Ho controllato che tutti i dispositivi rientrassero tra i parametri prestabiliti.

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.100.50

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 10.0.0.0

IP Configuration

☒ DHCP ☐ Static

IPv4 Address 192.168.100.51

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 10.0.0.0

☒ DHCP ☐ Static

IPv4 Address 192.168.100.52

Subnet Mask 255.255.255.0

Default Gateway 192.168.100.1

DNS Server 10.0.0.0

IPv6 Configuration

Infine ho eseguito il ping test per verificare l'effettiva comunicazione tra i dispositivi.

```
C:\>ping 192.168.100.52

Pinging 192.168.100.52 with 32 bytes of data:

Reply from 192.168.100.52: bytes=32 time<1ms TTL=128
Reply from 192.168.100.52: bytes=32 time<1ms TTL=128
Reply from 192.168.100.52: bytes=32 time<1ms TTL=128
Reply from 192.168.100.52: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.100.52:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

```
C:\>ping 192.168.100.51
```

```
Pinging 192.168.100.51 with 32 bytes of data:
```

```
Reply from 192.168.100.51: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.100.51: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.100.51: bytes=32 time<1ms TTL=128
```

```
Reply from 192.168.100.51: bytes=32 time<1ms TTL=128
```

```
Ping statistics for 192.168.100.51:
```

```
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
```

```
Approximate round trip times in milli-seconds:
```

```
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```