



Lab 8:

Networks Management

Plan:

Objectives

Step 1:

Step 3:

Step 3

Tests and
Verification

Lab 8:

Cisco Web and DNS servers Configuration

Networks Management

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Plan:

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5 Tests and Verification



Lab Objectives:

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Tests and Verification

- Configuration of a Web Service,
- Configuration of a Domain Name,
- Information of a DNS Server,
- Exploitation of DNS in the DHCP service.



Step 1

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Networks Management

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Step 1:

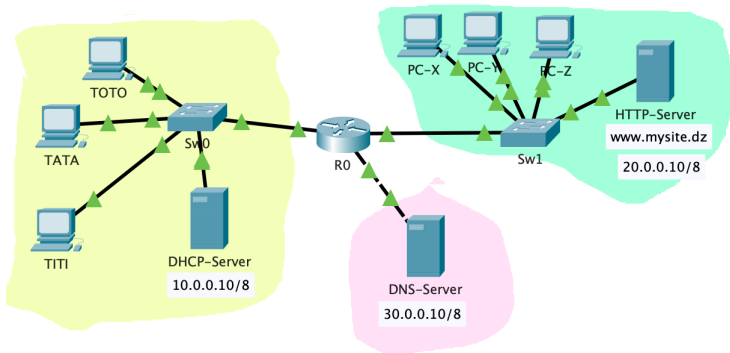
Step 3:

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Tests and Verification

Consider the network in the figure below, knowing that:

- the DHCP server is already configured to serve clients on the 10.0.0.0/8 network
- the HTTP server contains the website `www.mysite.dz`





Step 1

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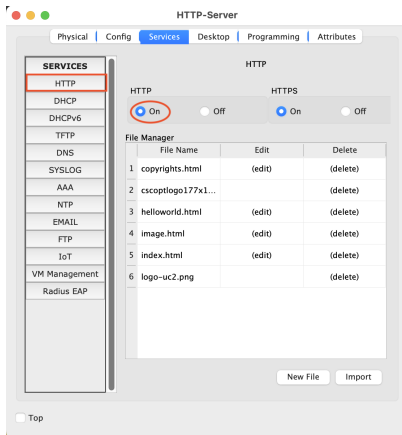
Step 1:

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- 1 Verify the possibility of accessing the website for PCs on the 10.0.0.0/8 network.





Step 2

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- 1 Configure the machines on the 20.0.0.0/8 network as DHCP CLIENTS for the DHCP server at 10.0.0.10/8 and ensure inter-network connectivity.

DHCP-Server

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: 10.0.0.100

DNS Server: 30.0.0.10

Start IP Address: 10.0.0.0 Subnet Mask: 255.0.0.0

Maximum Number of Users: 9

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	10.0.0.100	30.0.0.10	10.0.0.0	255.0.0.0	9	0.0.0.0	0.0.0.0
serverPool2	20.0.0.100	30.0.0.10	20.0.0.1	255.0.0.0	9	0.0.0.0	0.0.0.0

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Step 3

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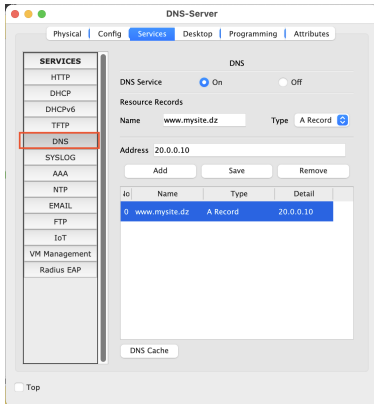
Step 1:

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- 1 Configure the DNS server to ensure resolution of the domain name "www.mysite.dz".
- 2 Access "www.mysite.dz" from TOTO using the domain name.





Step 3

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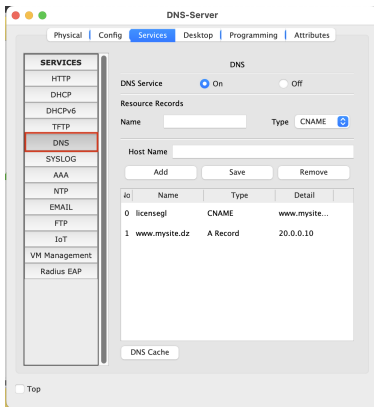
Step 1:

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- 1 Add the alias "licenseGL" to the DNS server to access the "www.mysite.dz" website.
- 2 Verify access from one of the PCs on the 20.0.0.0/8 network.





Tests and Verification

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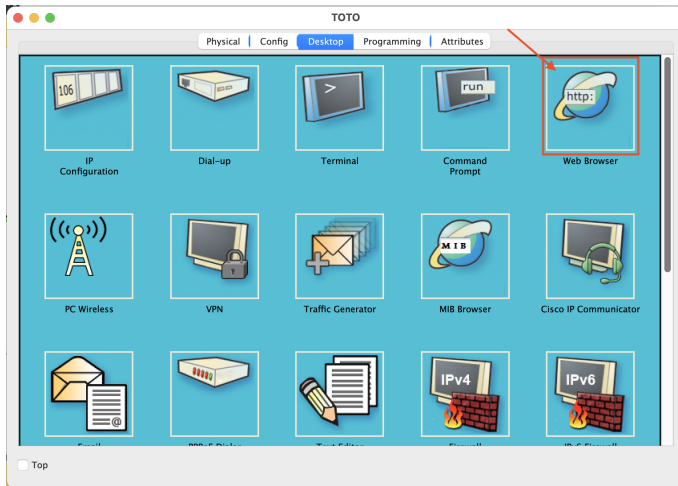
Step 1:

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To access to the web site use Packet tracer browser:





Tests and Verification

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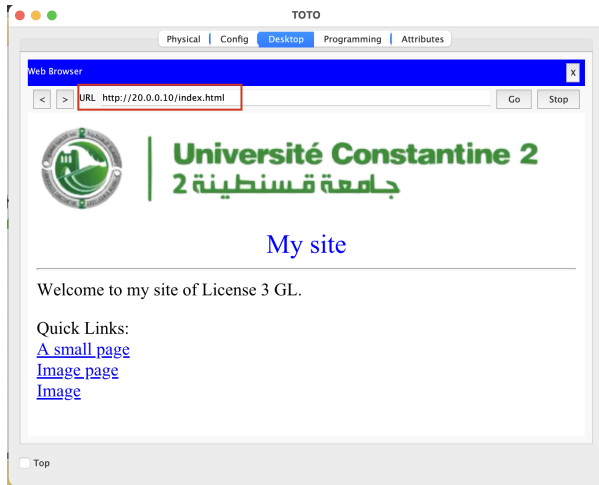
Step 1:

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Access to the web site via its IP address:





Tests and Verification

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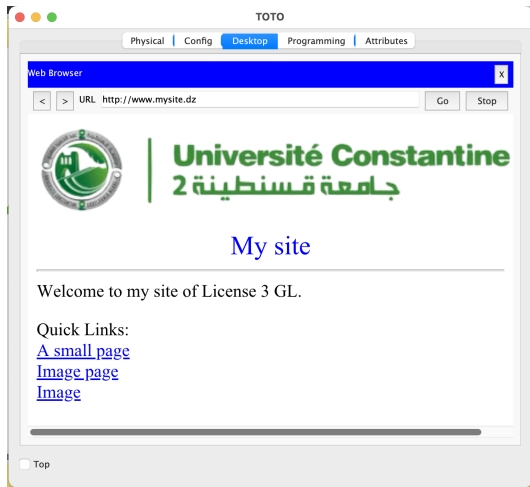
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Access to the site via its domain name: *www.mysite.dz*





Tests and Verification

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Access to the site via the "**licenseGL**" alias:

