

Lab-5

Create a topology for DNS

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The image shows a Cisco Packet Tracer topology and configuration for a DNS service. The topology consists of two devices: a PC-PT (10.0.0.1) and a Server-PT (10.0.0.2). They are connected via their Fa0/0 interfaces. The Server-PT is configured with the DNS service, and the PC-PT is configured with a web browser displaying the Cisco Packet Tracer welcome page.

Topology:

- PC-PT (10.0.0.1) connected to Server-PT (10.0.0.2) via Fa0/0.

Server-PT (10.0.0.2) Configuration:

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS**
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP

DNS Service ☒ On ☐ Off

Resource Records

Name: Type: A Record

Address:

| No. | Name | Type | Detail |
|-----|---------------|----------|----------|
| 0 | www.cnlab.com | A Record | 10.0.0.2 |

PC-PT (10.0.0.1) Configuration:

Web Browser

URL: <http://www.cnlab.com> Go Stop

Cisco Packet Tracer

Welcome to myyyy Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.

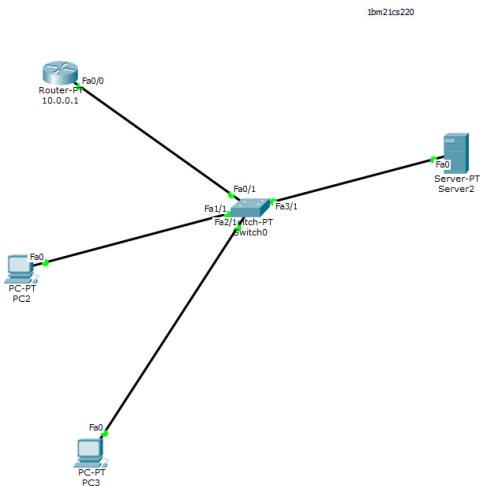
Quick Links:

- [A small page](#)
- [Copyrights](#)
- [Image page](#)
- [Image](#)

File Name: index.html

```
<html>
<center><font size="+2" color="blue">Cisco Packet
Tracer</font></center>
<hr>Welcome to myyyy Cisco Packet Tracer. Opening doors to
new opportunities. Mind Wide Open.
<p>Quick Links:
<br><a href="helloworld.html">A small page</a>
<br><a href="copyrights.html">Copyrights</a>
<br><a href="image.html">Image page</a>
<br><a href="cscoptlogo177x111.jpg">Image</a>
</html>
```

CONFIGURE DHCP WITHIN A LAN



```
10.0.0.1
Physical Config CLI
IOS Command Line Interface
Copy Types of Link Configuration (Read/Write)
--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]: n
Press RETURN to get started!
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet 10.0.0.1
^
% Invalid input detected at '^' marker.
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
wexit
Router(config)#
```

10.0.0.2

Physical Config Services Desktop Custom Interface

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 10.0.0.0

Subnet Mask: 255.0.0.0

Maximum number of Users: 512

TFTP Server: 0.0.0.0

Add Save Remove

| Pool Name | Default Gateway | DNS Server | Start IP Address | Subnet Mask | Max User | TFTP Server |
|-----------|-----------------|------------|------------------|-------------|----------|-------------|
| server... | 10.0.0.1 | 10.0.0.2 | 10.0.0.1 | 255.0.0.0 | 512 | 10.0.0.2 |
| server... | 0.0.0.0 | 0.0.0.0 | 10.0.0.0 | 255.0.0.0 | 512 | 0.0.0.0 |

PC2

Physical Config Desktop Custom Interface

IP Configuration

IP Configuration

☒ DHCP ☐ Static

IP Address: 10.0.0.3

Subnet Mask: 255.0.0.0

Default Gateway: 0.0.0.0

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::2D0:FFFF:FE81:5E83

IPv6 Gateway:

IPv6 DNS Server: