



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

## Experiment :9

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**Subject Name:** Computer Networks

**Subject Code:** 22CSH-312

### 1. Aim/Objective-

Configuring DNS Server and accessing web Resources by Domain Name.

### 2. Requirements-

**S/W Requirement :-** Packet Tracer or NS2

**H/W Requirement :-** Processor , Main Memory (128 MB RAM) ,Hard Disk( minimum 20 GB IDE Hard Disk ), Removable Drives, PS/2 HCL Keyboard and Mouse

### 3. Procedure-

Step 1: Build the network topology.

Step 2: Configure static IP addresses on the PCs and the server.

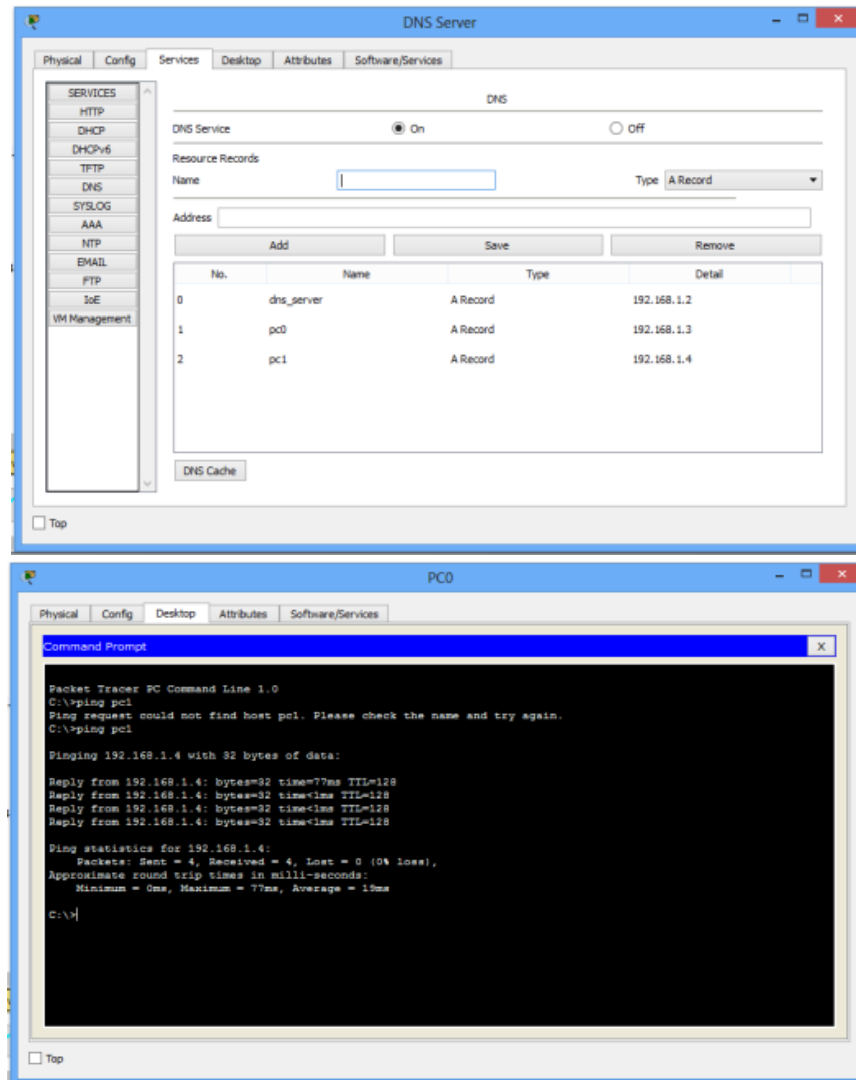
Step 3: Configure DNS service on the generic server.

Step 4: To do this, click on the server, then Click on Services tab. Click on DNS server from the menu. First turn ON the DNS service, then define names of the hosts and their corresponding IP addresses.

Step 5: Test domain name – IP resolution. Ping the hosts from one another using their names instead of their IP addresses. If the DNS service is turned on and all IP configurations are okay, then ping should work.

Step 6: For example, ping PC1 from PC0. Ping should be successful.

## 4. Output-



## 5. Learning Outcomes-

1. Understand the DNS configuration.
2. Learn to use Cisco Packet Tracer to simulate different network designs.
3. Gain practical skills in configuring network devices and configurations.