

## LAB 5. DHCP

### Guidelines:

Please get it working in packet tracer and send both files. If you can't send just one, zip both files then.

### Lab Objective:

Learn how DHCP servers allocate IP information.

### Lab Purpose:

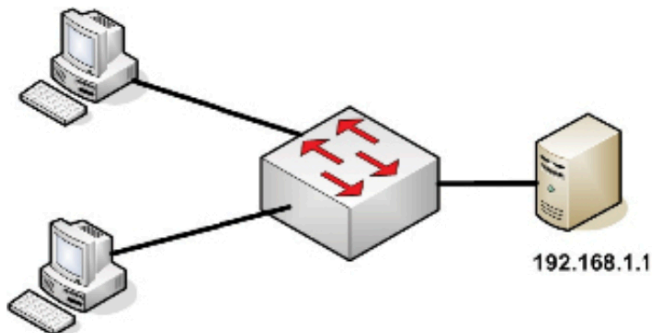
The vast majority of IP networks use DHCP to allocate IP information to hosts. Here we'll configure a scope of addresses and other IP information to be allotted.

### Lab Tool:

Packet Tracer

### Lab Topology:

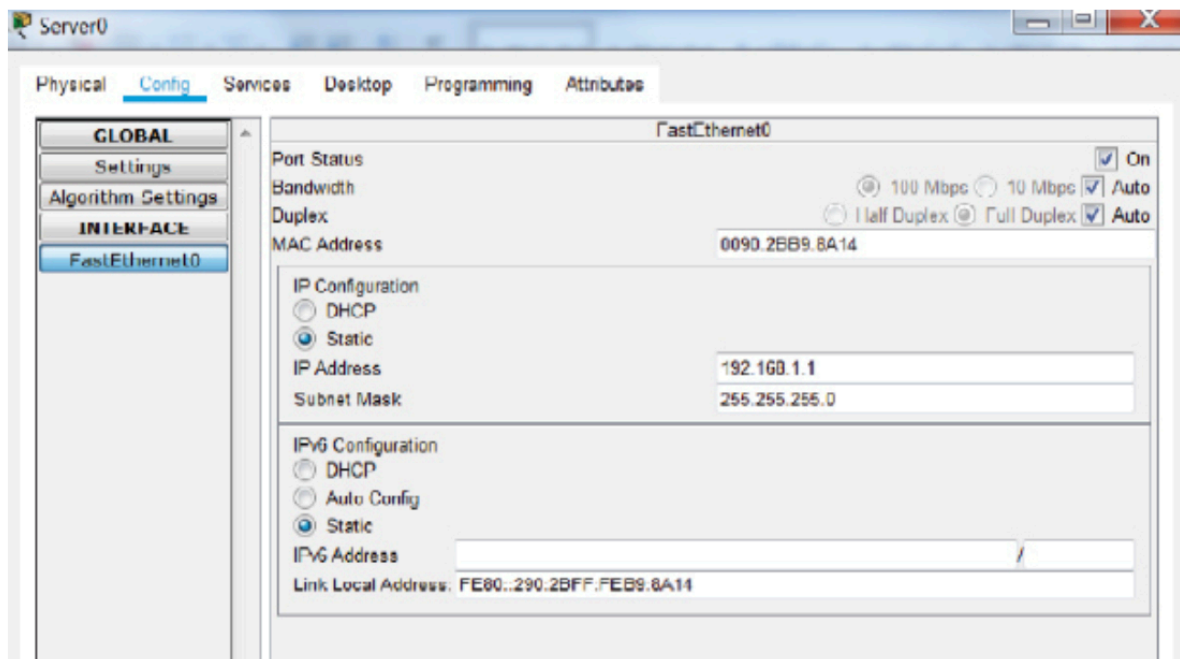
Please use the following topology to complete this lab exercise:



## Lab Walkthrough:

### Task 1:

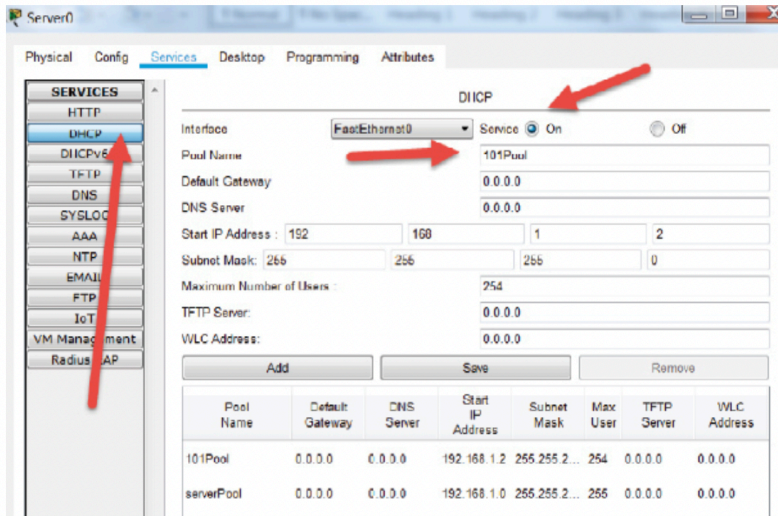
Connect a generic server to a Cisco switch using straight-through cables. You will add an IP address to the server but not to the host PCs, which will be using DHCP.



### Task 2:

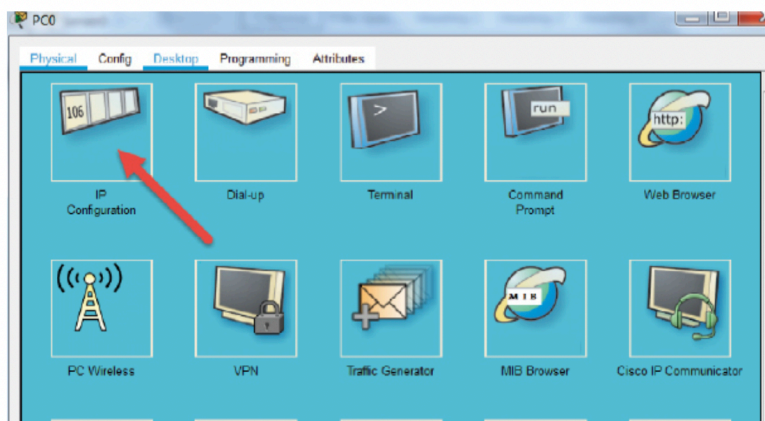
Configure the DHCP information on the server. Allocate the following:

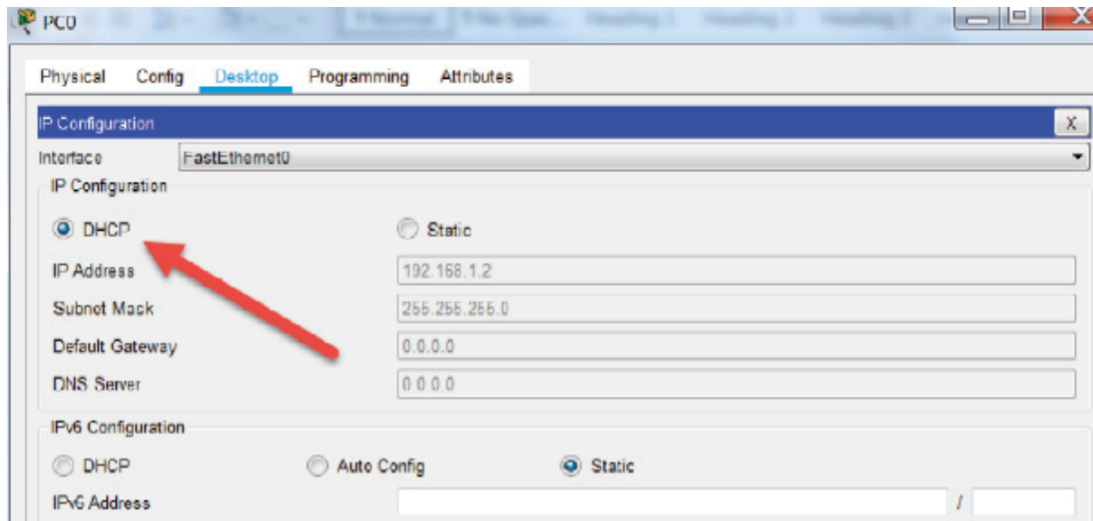
Address start—192.168.1.2  
Subnet mask—255.255.255.0  
Pool name—101Pool



### Task 3:

Configure the hosts to obtain information via DHCP. Here is how to do it on one of the hosts.





#### **Task 4:**

Check the configuration has been applied by issuing the 'ipconfig' command on the hosts. Here it is on one of the hosts. If you hover your mouse over the image of any device in Packet Tracer, you will also see the IP configuration settings.