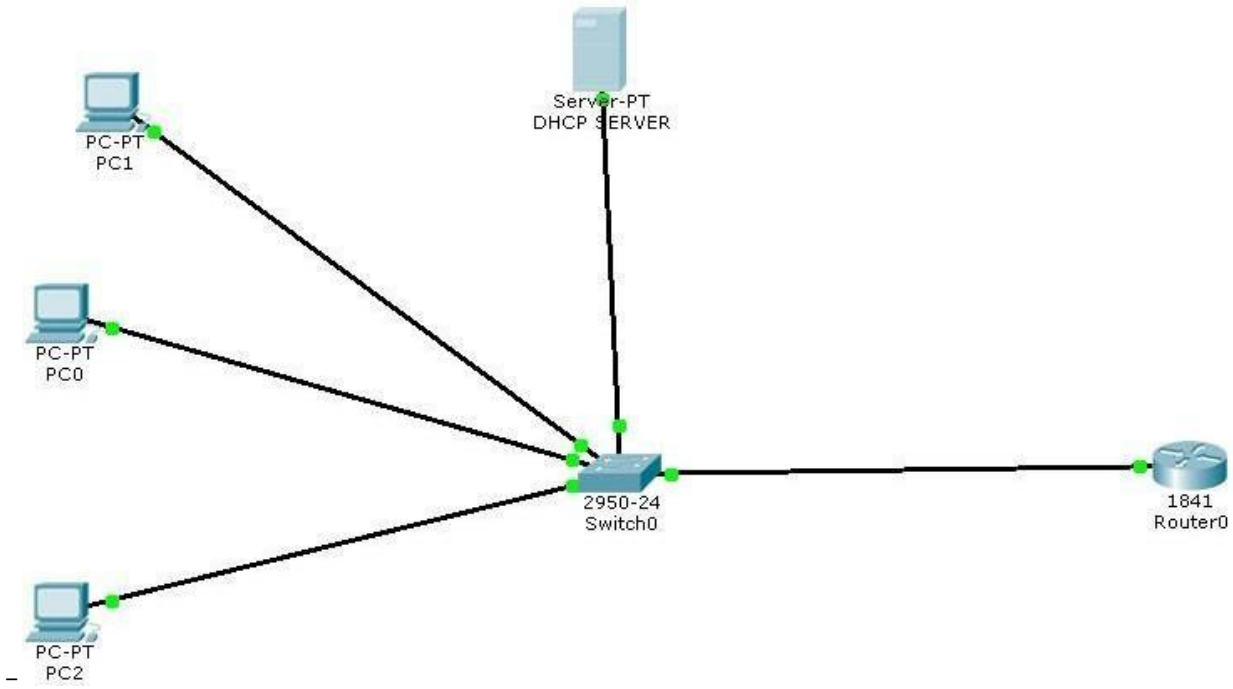
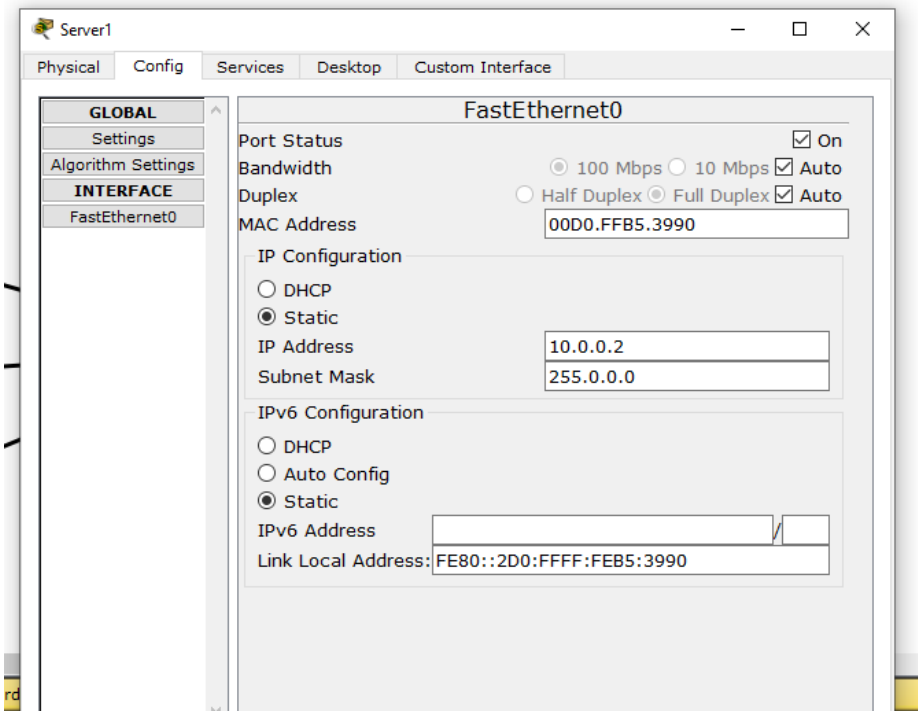
does not need the services of ARP for logical to physical address mapping. However, some systems do not allow the bypassing of ARP, resulting in the use of the broadcast address

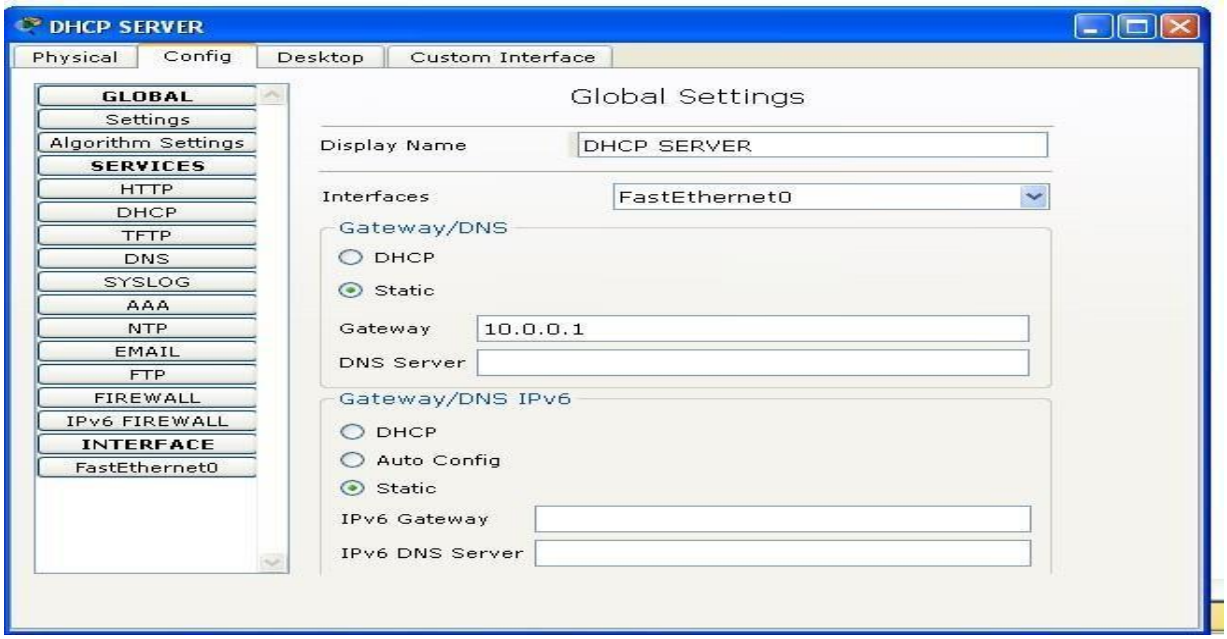
We can study the working of DHCP using the Cisco packet tracer using the following example.

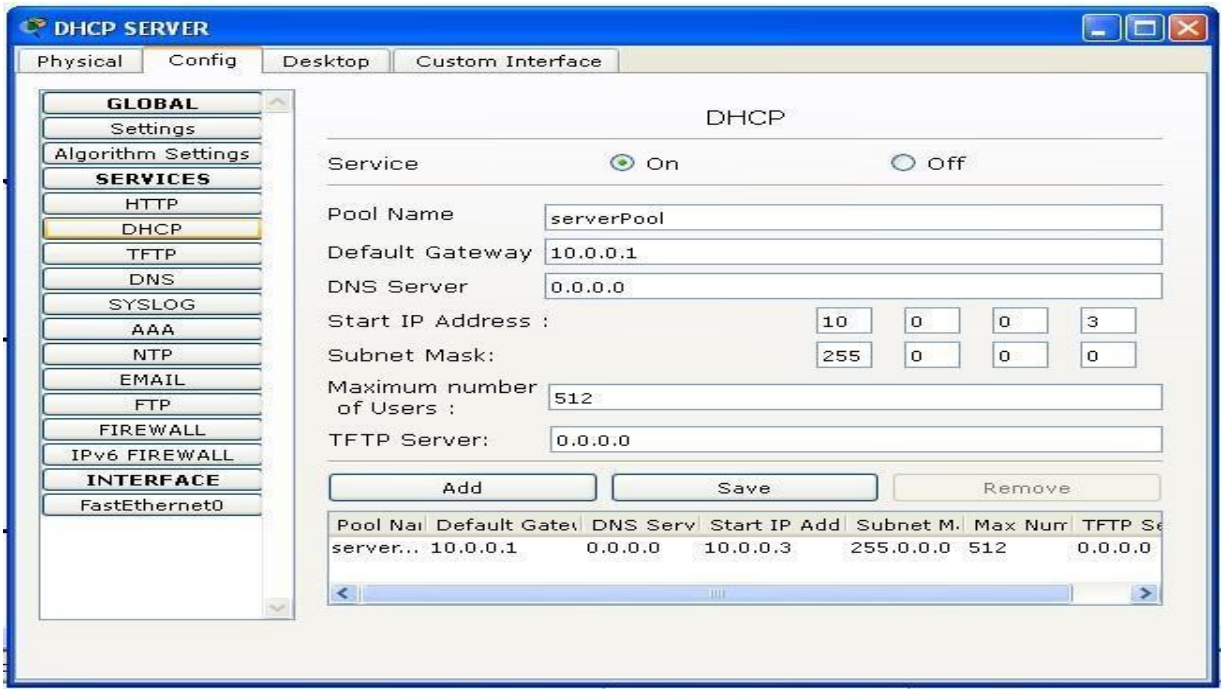


We configure the various components through the following steps

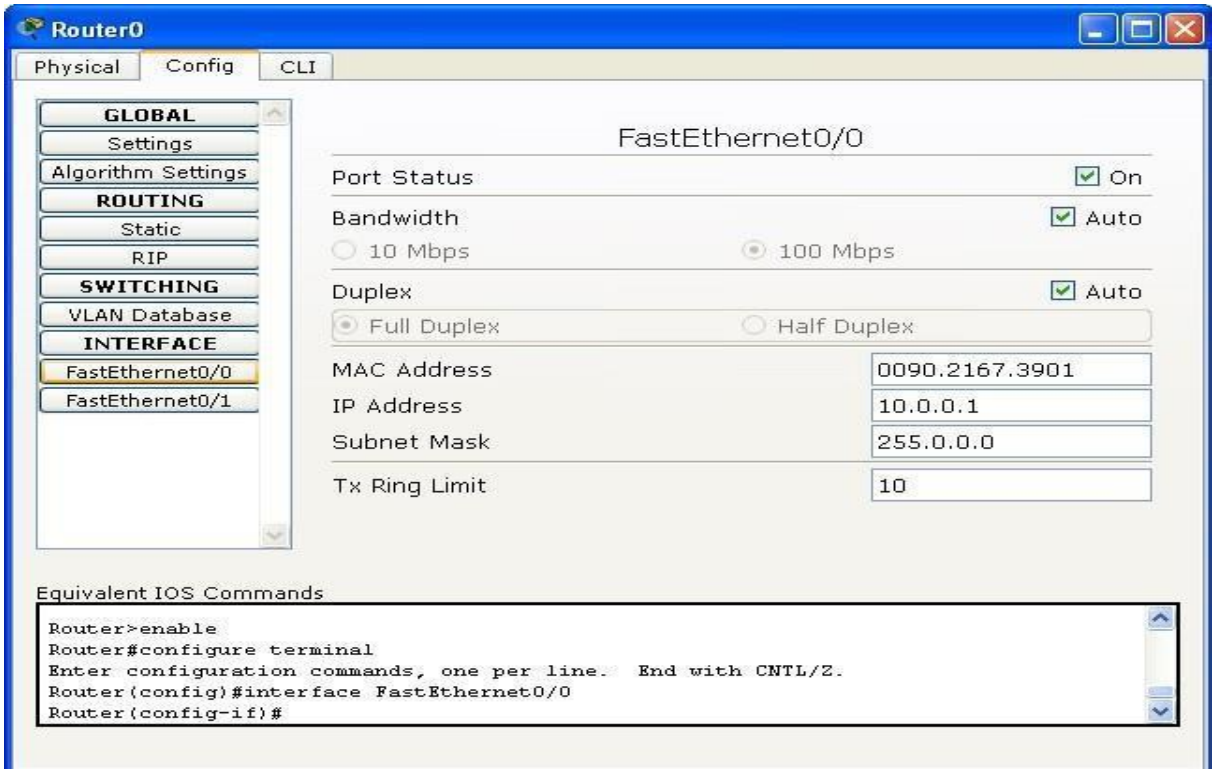
Step 1: Configuring the DHCP server





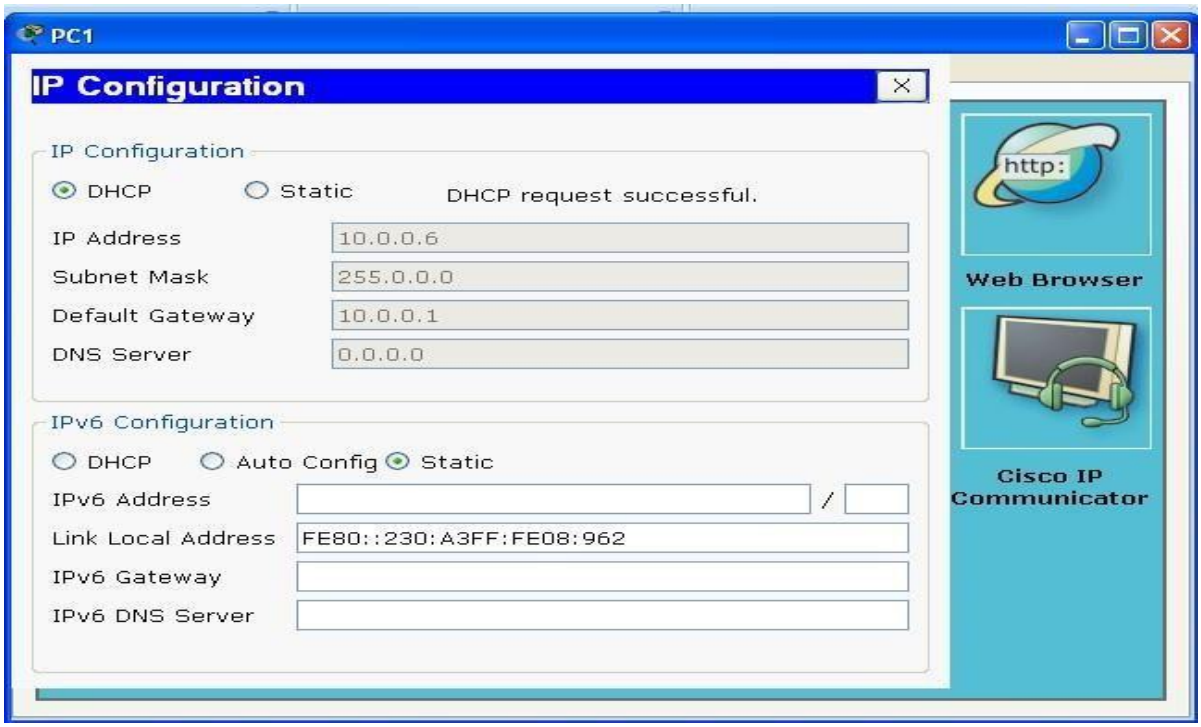


Step 2: Configuring the Router

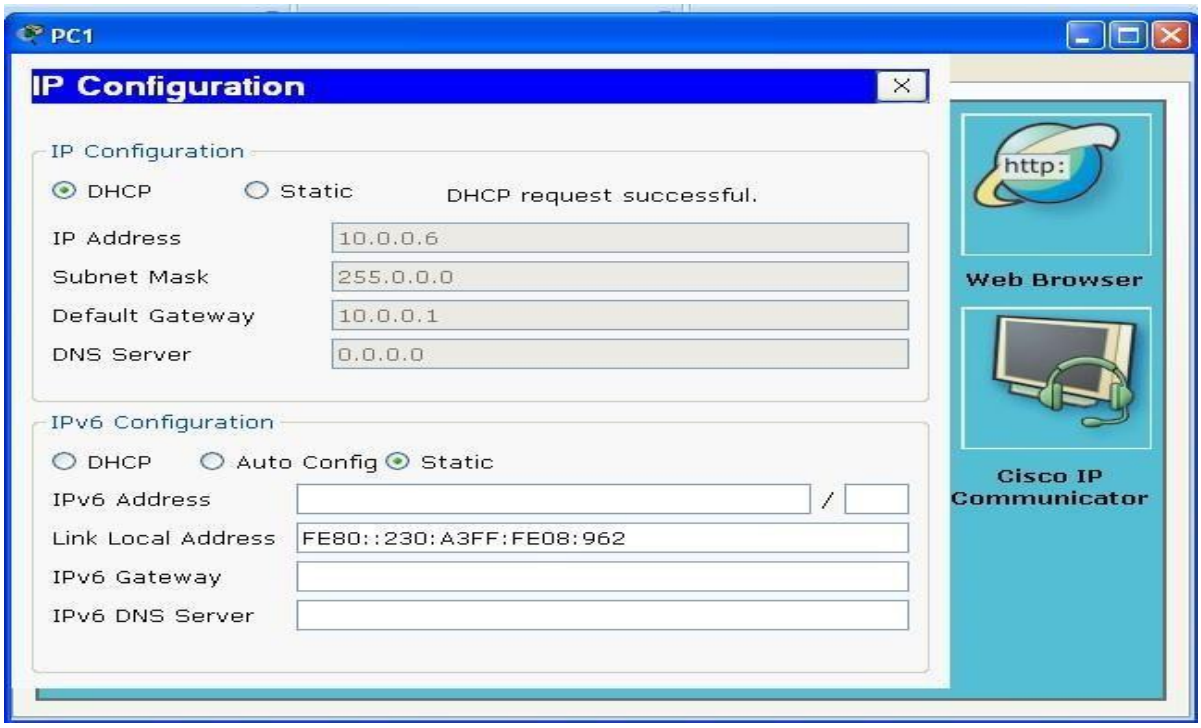


Now we test the working of the DHCP server by sending a DHCP request from any of the PC as shown

Step 3: Sending DHCP request



Hence we have configured a DHCP server and also verified its operation



Hence we have configured a DHCP server and also verified its operation