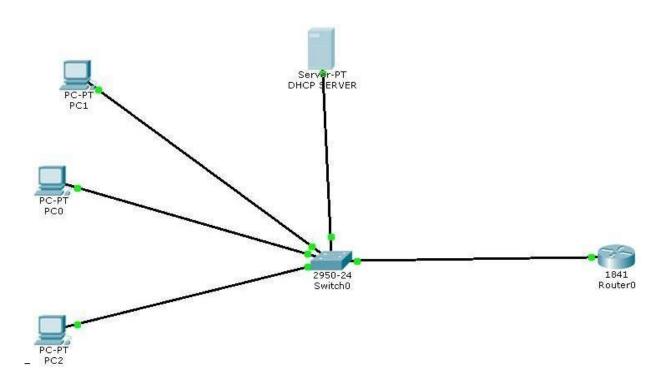
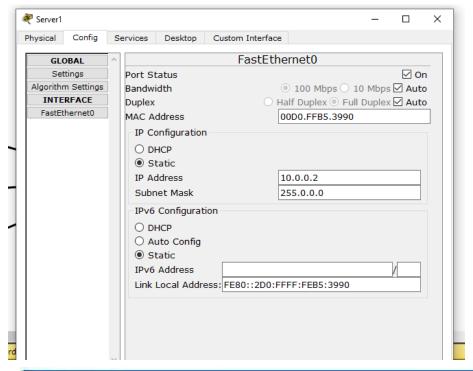
does not need the services of ARP for logical to physical address mapping. However, some systems do not allow the bypassing of ARP, resulting in the use of the broadcast address

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

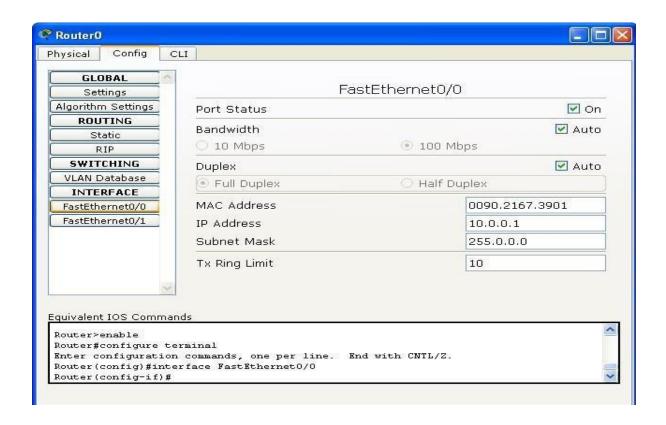
Step 1: Configuring the DHCP server





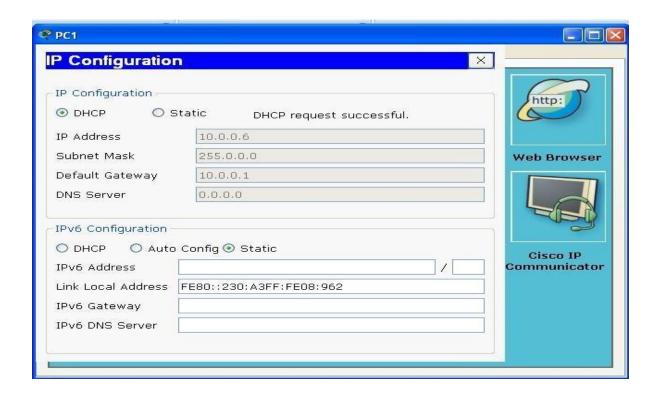
nysical Config	Desktop Custom Into	erface			
GLOBAL		D	HCP		
Settings Algorithm Settings		10000			
SERVICES	Service	On	0	Off	
HTTP					
DHCP	Pool Name	serverPool			
TFTP	Default Gateway	10.0.0.1			
DNS	DNS Server	0.0.0.0			
SYSLOG	Start IP Address		10 0	0	
AAA	7-0-1-1	312:			3
NTP	Subnet Mask:		255 0	0	0
EMAIL	Maximum number	512			
FIREWALL	of Users :	012			
IPV6 FIREWALL	TFTP Server:	0.0.0.0			
INTERFACE	C			-	
FastEthernet0	Add	s	ave	Remove	
	Pool Nai Default G	ater DNS Serv St	art IP Add Subne	t M. Max Num	TFTP S
	server 10.0.0.1	0.0.0.0 10	.0.0.3 255.0.	0.0 512	0.0.0.0
	<				>

Step 2: Configuring the Router

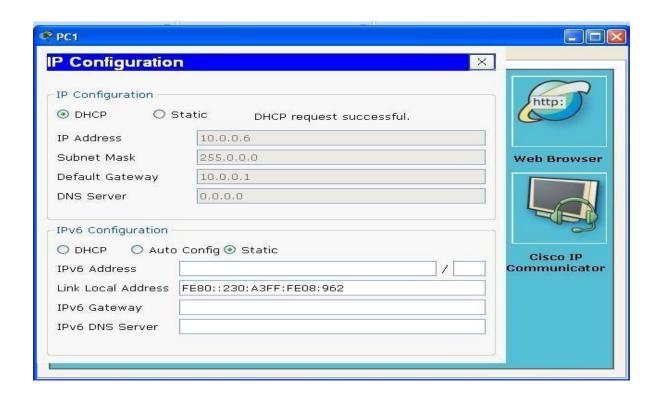


Now we test the working of the DHCP server by sending a DHCP request from any of the PC as shown

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