Implementation of DHCP :

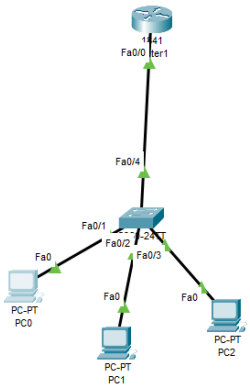
Router#en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int fa 0/0
Router(config-if)# ip add 192.168.1.1 255.255.255.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

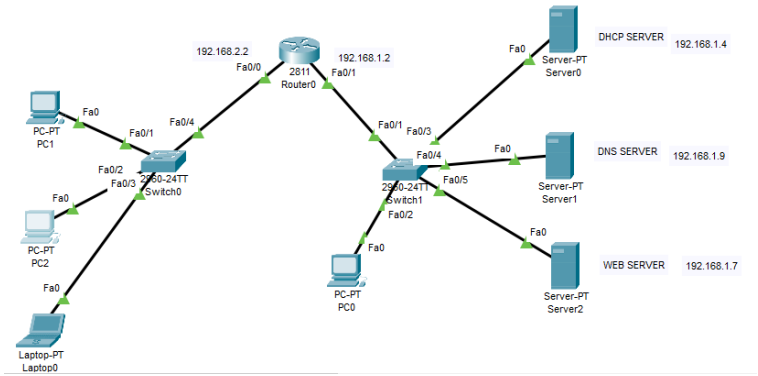
Router(config-if)#ex
Router(config)#ip dhcp pool cse
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.1
Router(dhcp-config)#dns-server 8.8.8.8
Router(dhcp-config)#ex

Router(config)#write memory%DHCPD-4-PING_CONFLICT: DHCP address conflict: server pinged 192.168.1.1.

Router#
%SYS-5-CONFIG_I: Configured from console by console



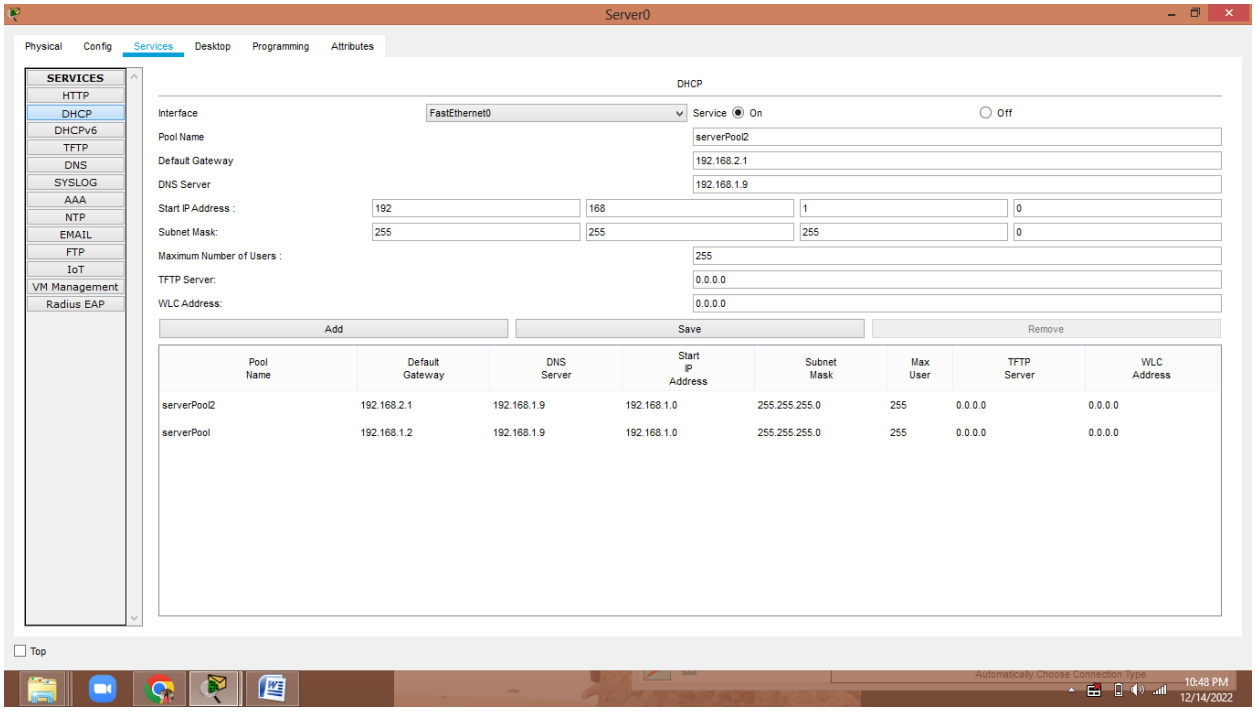
IMPLEMENTATION OF DHCP WITH ONE DNS AND ONE WEB SERVER

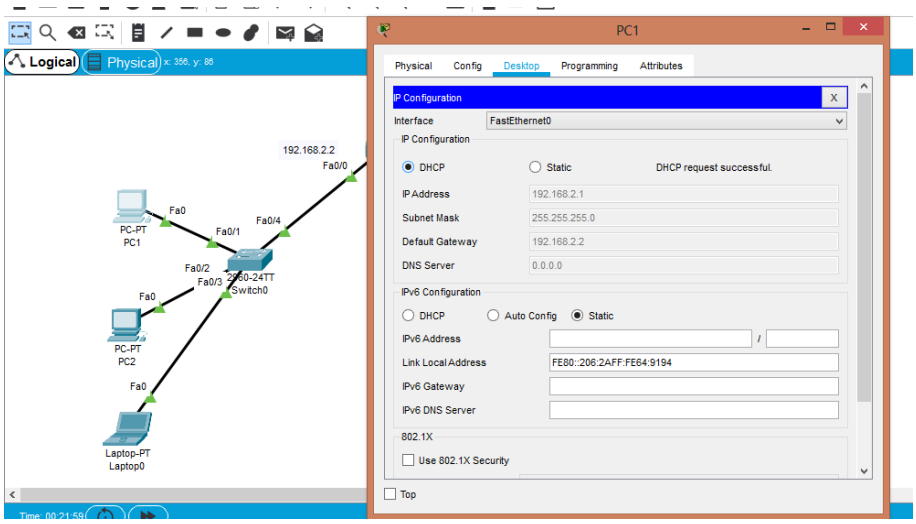


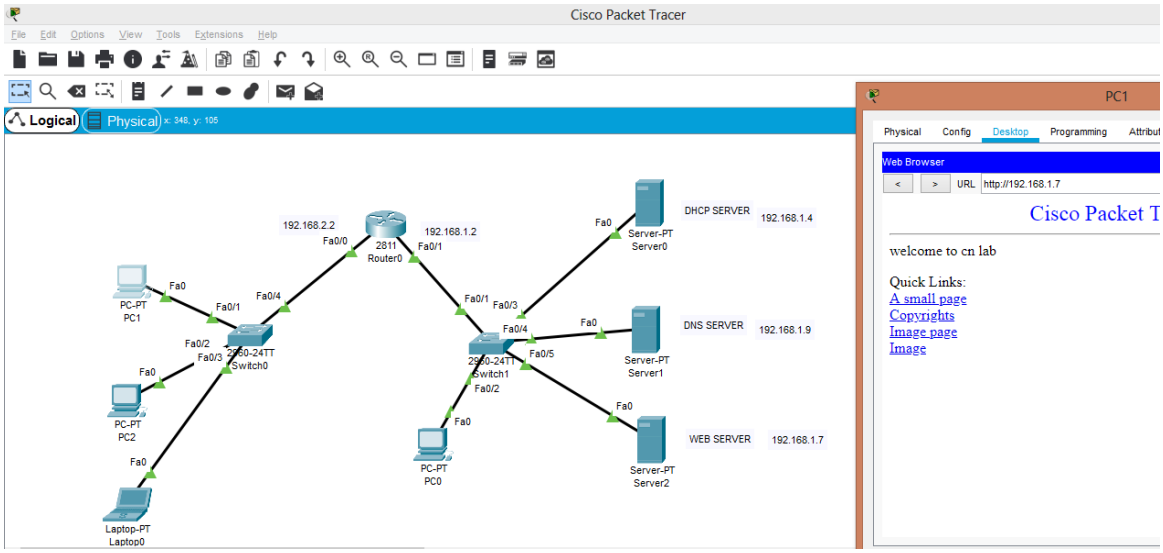
Router 0

Dhcp configuration:

Router(config-if)#ip dhcp pool p1
Router(dhcp-config)#network 192.168.1.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.1.2
Router(dhcp-config)#ex
Router(config)#ip dhcp pool p2
Router(dhcp-config)#network 192.168.2.0 255.255.255.0
Router(dhcp-config)#default-router 192.168.2.2
Router(dhcp-config)#ex
Router(config)#


Server0
Physical
Config
Services
Desktop
Programming
Attributes
SERVICES
HTTP
DHCP
DHCPv6
TFTP
DNS
SYSLOG
AAA
NTP
EMAIL
FTP
IoT
VM Management
Radius EAP
DHCP
Interface
FastEthernet0
Service
On
Off
Pool Name
serverPool2
Default Gateway
192.168.2.1
DNS Server
192.168.1.9
Start IP Address :
192
168
1
0
Subnet Mask:
255
255
255
0
Maximum Number of Users :
255
TFTP Server:
0.0.0.0
WLC Address:
0.0.0.0
Add
Save
Remove
Pool Name
Default Gateway
DNS Server
Start IP Address
Subnet Mask
Max User
TFTP Server
WLC Address
serverPool2
192.168.2.1
192.168.1.9
192.168.1.0
255.255.255.0
255
0.0.0.0
0.0.0.0
serverPool
192.168.1.2
192.168.1.9
192.168.1.0
255.255.255.0
255
0.0.0.0
0.0.0.0
Top
Automatically Choose Connection Type
10:48 PM
12/14/2022


Logical
Physical
192.168.2.2
Fa0/0
Fa0
PC-PT
PC1
Fa0/1
Fa0/4
Fa0/2
Fa0/3
2960-24TT
Switch0
Fa0
PC-PT
PC2
Fa0
Laptop-PT
Laptop0
PC1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
DHCP request successful.
IP Address
192.168.2.1
Subnet Mask
255.255.255.0
Default Gateway
192.168.2.2
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::206:2AFF:FE64:9194
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 348, y: 105
192.168.2.2
Fa0/0
2811
Router0
192.168.1.2
Fa0/1
Fa0/1
Fa0/3
Fa0/4
2960-24TT
Switch1
Fa0/5
Fa0/2
Fa0/4
2960-24TT
Switch0
Fa0/2
Fa0/3
Fa0/1
PC-PT
PC1
Fa0
PC-PT
PC2
Fa0
Laptop-PT
Laptop0
Fa0
PC-PT
PC0
Fa0
Server-PT
Server0
Fa0
DHCP SERVER
192.168.1.4
Server-PT
Server1
Fa0
DNS SERVER
192.168.1.9
Server-PT
Server2
Fa0
WEB SERVER
192.168.1.7
PC1
Physical
Config
Desktop
Programming
Attribut
Web Browser
URL
http://192.168.1.7
Cisco Packet T
welcome to cn lab
Quick Links:
A small page
Copyrights
Image page
Image