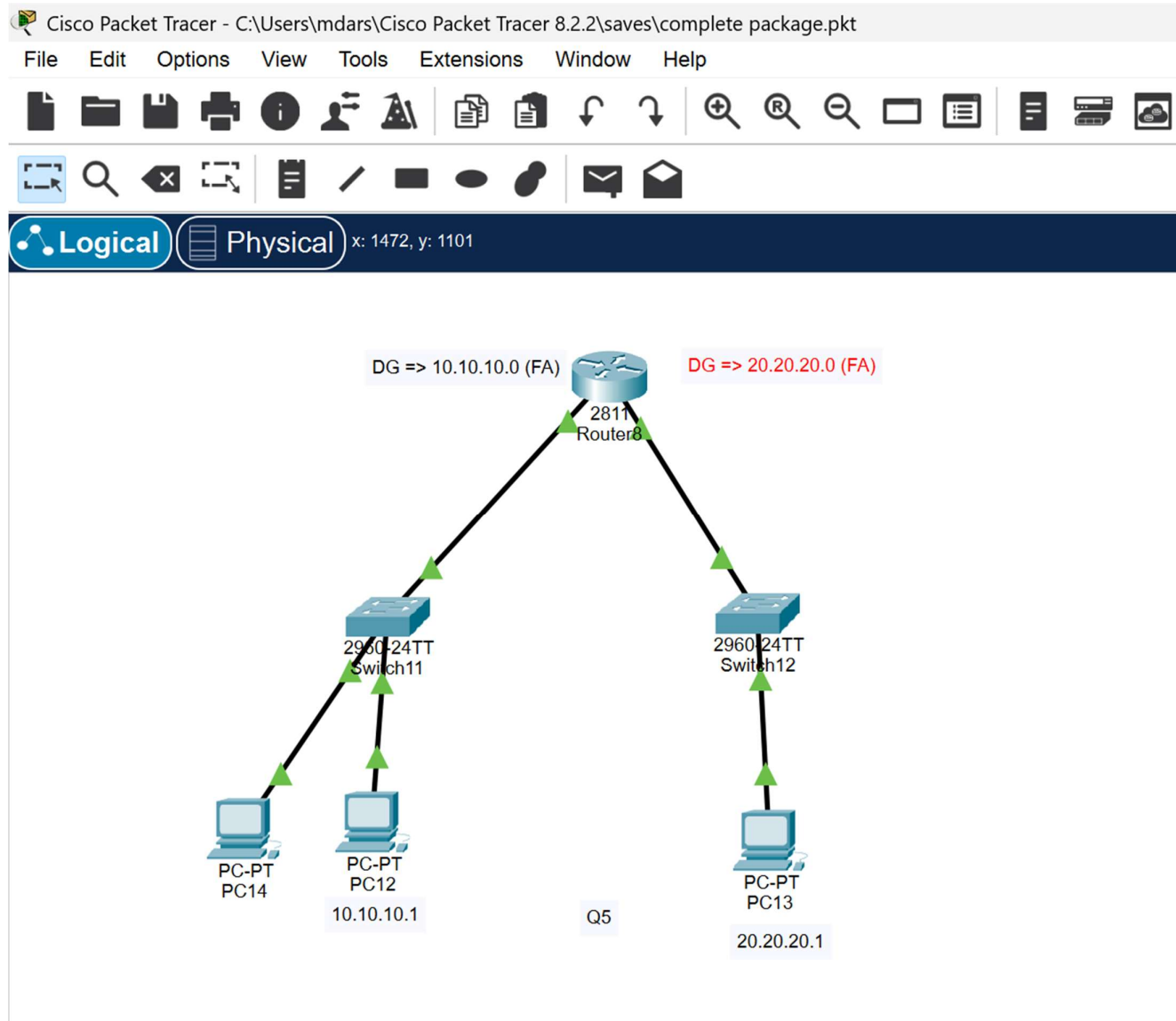


EXPERIMENT – 10

AIM: - a) Internetworking with routers in CISCO PACKET TRACER simulator.

OUTPUT: -









i

Scenario 0

New

Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num
	Successful	PC14	PC13	IC...		0.000	N	1
	Successful	PC12	PC13	IC...		0.000	N	2
	Successful	PC13	PC12	IC...		0.000	N	3

RESULT: -

Router have been successfully done in CISCO PACKET TRACER.

AIM: - b) Design and configure an internetwork using wireless router, DHCP server and internet cloud.

OUTPUT: -

The screenshot displays the configuration interface for a Wireless-N Broadband Router (WRT300N) with firmware version v0.93.3. The interface is divided into several tabs: Physical, Config, GUI (selected), and Attributes. The main configuration area is organized into sections: Setup, Internet Setup, and Network Setup. The Setup section includes links for Basic Setup, Wireless, Security, Access Restrictions, Applications & Gaming, Administration, and Status. The Internet Setup section shows the Internet Connection type set to 'Automatic Configuration - DHCP'. The Network Setup section includes fields for Router IP (192.168.0.1), Subnet Mask (255.255.255.0), and DHCP Server settings (Enabled/Disabled). The DHCP Server settings include a Start IP Address of 192.168.0.100, a Maximum number of Users of 50, an IP Address Range of 192.168.0.100 - 149, and a Client Lease Time of 0 minutes. Static DNS settings are also visible, with three entries all set to 0.0.0.0. A 'Help...' button is located on the right side of the Internet Setup section.

Wireless Router0

Physical Config **GUI** Attributes

Wireless-N Broadband Router Firmware Version: v0.93.3

Setup Setup Wireless Security Access Restrictions Applications & Gaming Administration Status

Basic Setup DDNS MAC Address Clone Advanced Routing

Internet Setup

Internet Connection type: Automatic Configuration - DHCP

Optional Settings (required by some internet service providers):

Host Name: Domain Name: MTU: Size: 1500

Network Setup

Router IP: IP Address: 192 - 168 - 0 - 1 Subnet Mask: 255.255.255.0

DHCP Server Settings: DHCP Server: ☐ Enabled ☒ Disabled DHCP Reservation

Start IP Address: 192.168.0.100

Maximum number of Users: 50

IP Address Range: 192.168.0.100 - 149

Client Lease Time: 0 minutes (0 means one day)

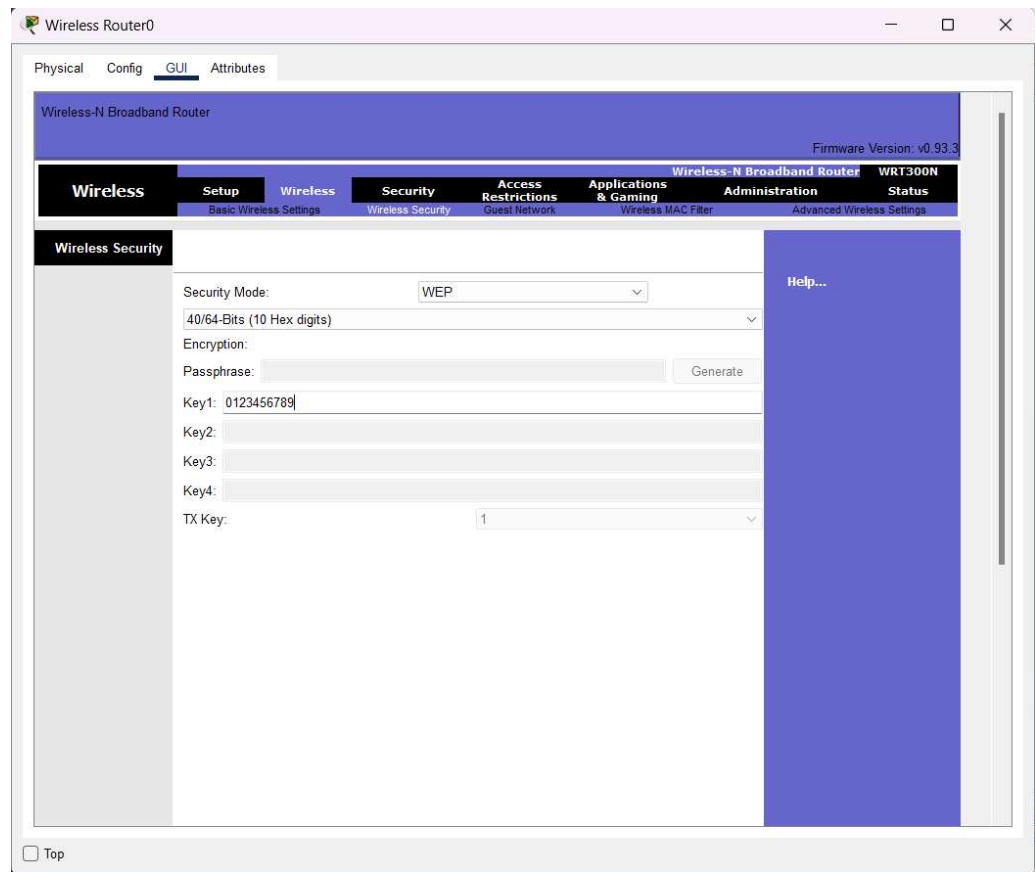
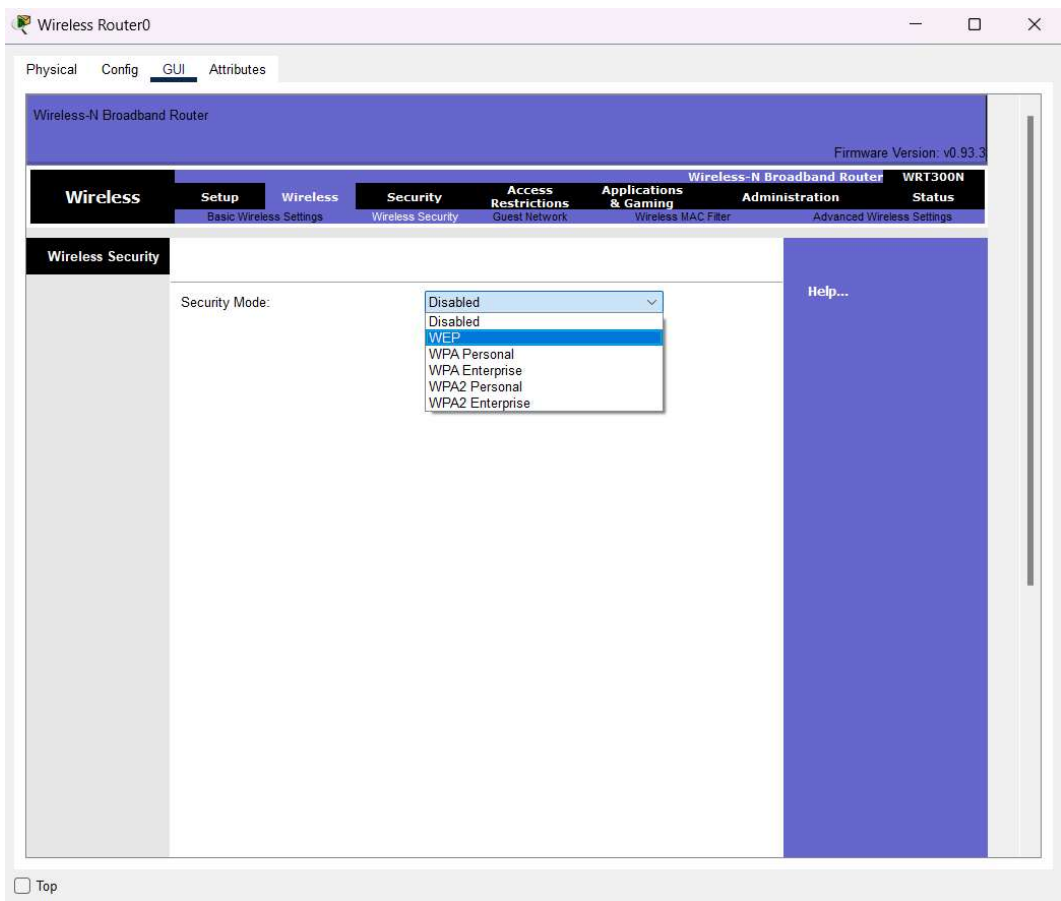
Static DNS 1: 0 - 0 - 0 - 0

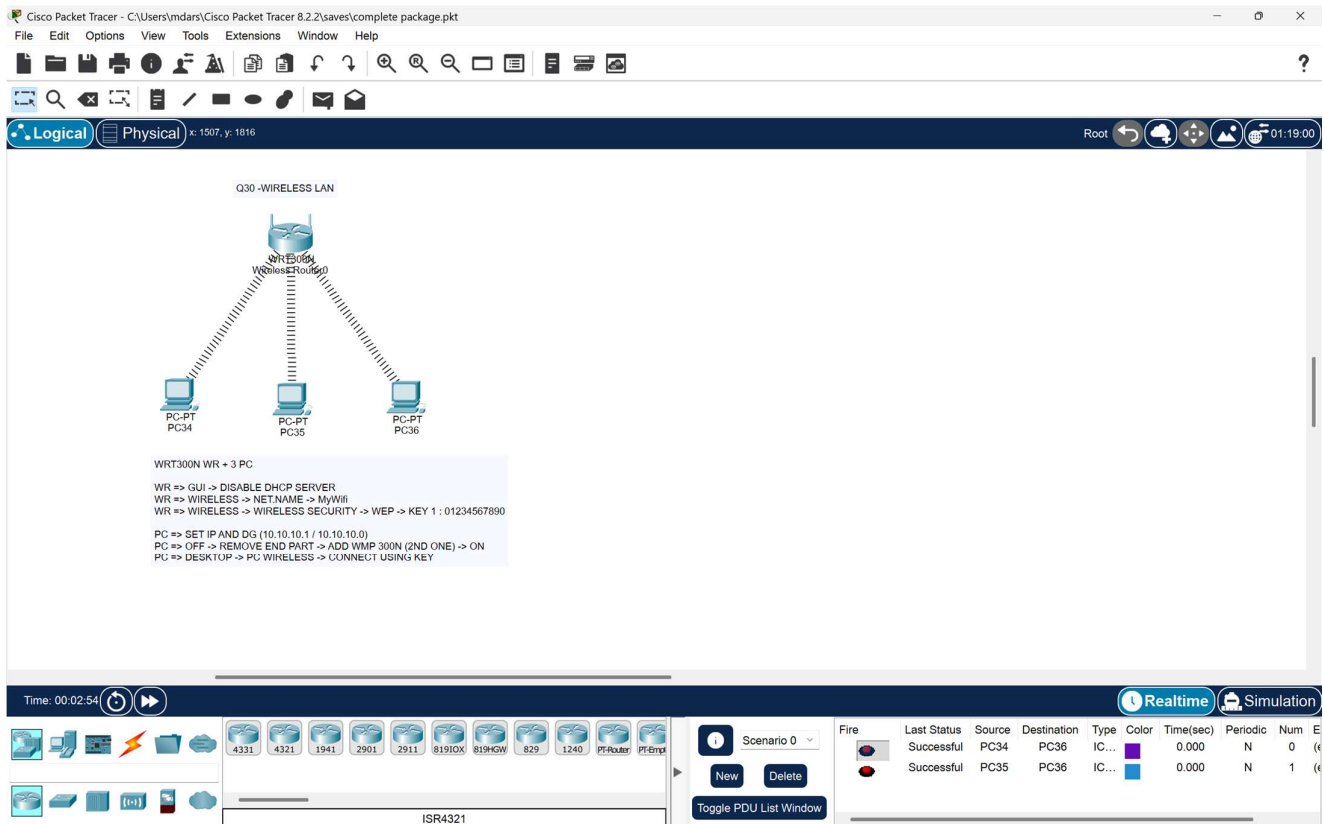
Static DNS 2: 0 - 0 - 0 - 0

Static DNS 3: 0 - 0 - 0 - 0

WAN: 0 - 0 - 0 - 0

☐ Top





RESULT: -

Wireless Router have been successfully done in CISCO PACKET TRACER.