

MUHAMMAD UMAR KHAN 10619  
NC LAB#10

File Edit Options View Tools Extensions Help

Logical Physical x: 679, y: 346 [Root] 12:14:00

Time: 00:28:46 Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

Type here to search

File Edit Options View Tools Extensions Help

Logical Physical x: 697, y: 136 [Root] 12:34:30

Port Link VLAN IP Address IPv6 Address MAC Address  
GigabitEthernet0/0/0 Up -- 192.168.1.1/24 <not set> 0060.2F11.6701  
GigabitEthernet0/0/1 Up -- 172.16.0.1/16 <not set> 0060.2F11.6702  
GigabitEthernet0/0/2 Down -- <not set> <not set> 0060.2F11.6703  
Vlan1 Down 1 <not set> <not set> 0003.E4B2.03BA

Hostname: Router

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 00:27:26 Realtime Simulation

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

Type here to search

The image displays two screenshots of a network simulation software interface, likely Packet Tracer, showing network configurations and topology.

**Top Screenshot:**

- Logical View:** Shows a PC (OMA) with the following configuration:

Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	172.16.0.2/16	<not set>	00E0.A395.7B18
Bluetooth	Down	<not set>	<not set>	000A.41B7.EA13

Gateway: 172.16.0.1  
DNS Server: 192.168.1.2  
Line Number: <not set>

Physical Location: Intercity, Home City, Corporate Office
- Physical View:** Shows a network topology with three servers connected to a central switch (2960-24TT) and a router (ISR4331). The servers are labeled: Server-PT OMAR DNS SERVER (192.168.1.2), Server-PT OMAR WEBSERVER (192.168.1.3), and Server-PT OMAR WEBSERVER2 (192.168.1.4).

**Bottom Screenshot:**

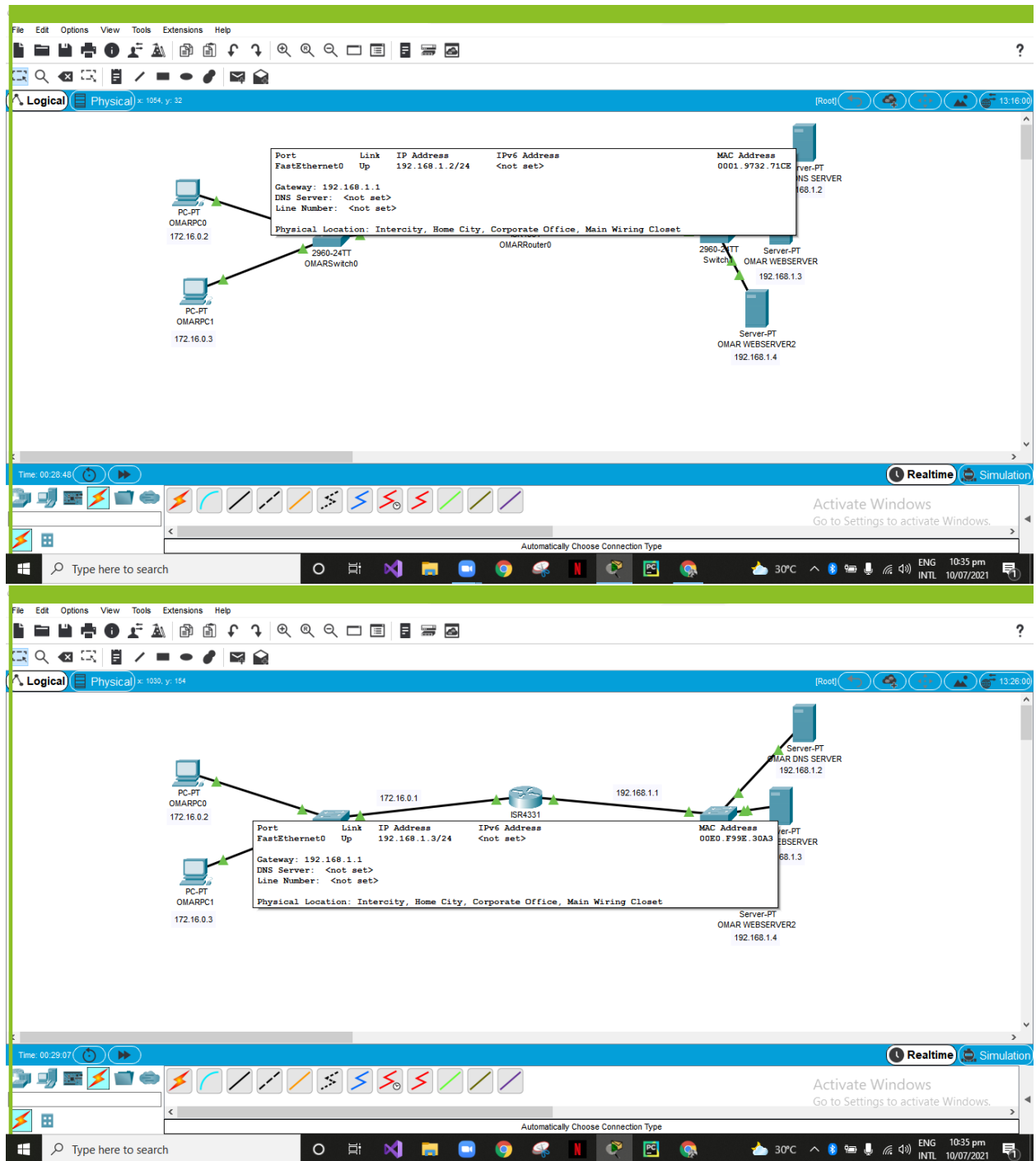
- Logical View:** Shows a PC (OMA) with the following configuration:

Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	172.16.0.3/16	<not set>	0060.5C70.6558
Bluetooth	Down	<not set>	<not set>	0005.5E02.A1A1

Gateway: 172.16.0.1  
DNS Server: 192.168.1.2  
Line Number: <not set>

Physical Location: Intercity, Home City, Corporate Office
- Physical View:** Shows a network topology with a PC (OMA) connected to a switch (2960-24TT) and a router (ISR4331). The switch is connected to the router, which is connected to another switch (2960-24TT) and three servers (192.168.1.2, 192.168.1.3, 192.168.1.4).

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The top screenshot shows a network simulation interface with a topology diagram. A central router (ISR4331 OMARRouter0) is connected to two switches (2960-24TT OMARSwitch0 and 2960-24TT Switch). The left switch is connected to two PCs (PC-PT OMARPC0 and PC-PT OMARPC1). The right switch is connected to three servers (Server-PT OMAR DNS SERVER, Server-PT OMAR WEBSERVER, and Server-PT OMAR WEBSERVER2). A status window for the left switch shows the following details:

Port	Link	IP Address	IPv6 Address	MAC Address
FastEthernet0	Up	192.168.1.4/24	<not set>	00E0.F769.693B

Gateway: 192.168.1.1  
DNS Server: <not set>  
Line Number: <not set>  
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

The bottom screenshot shows the same network topology with a configuration window for the DNS service open. The window displays the following details:

Physical Config **Services** Desktop Programming Attributes

SERVICES: HTTP, DHCP, DHCPv6, TFTP, **DNS**, SYSLOG, AAA, NTP, EMAIL, FTP, IoT, VM Management, Radius EAP

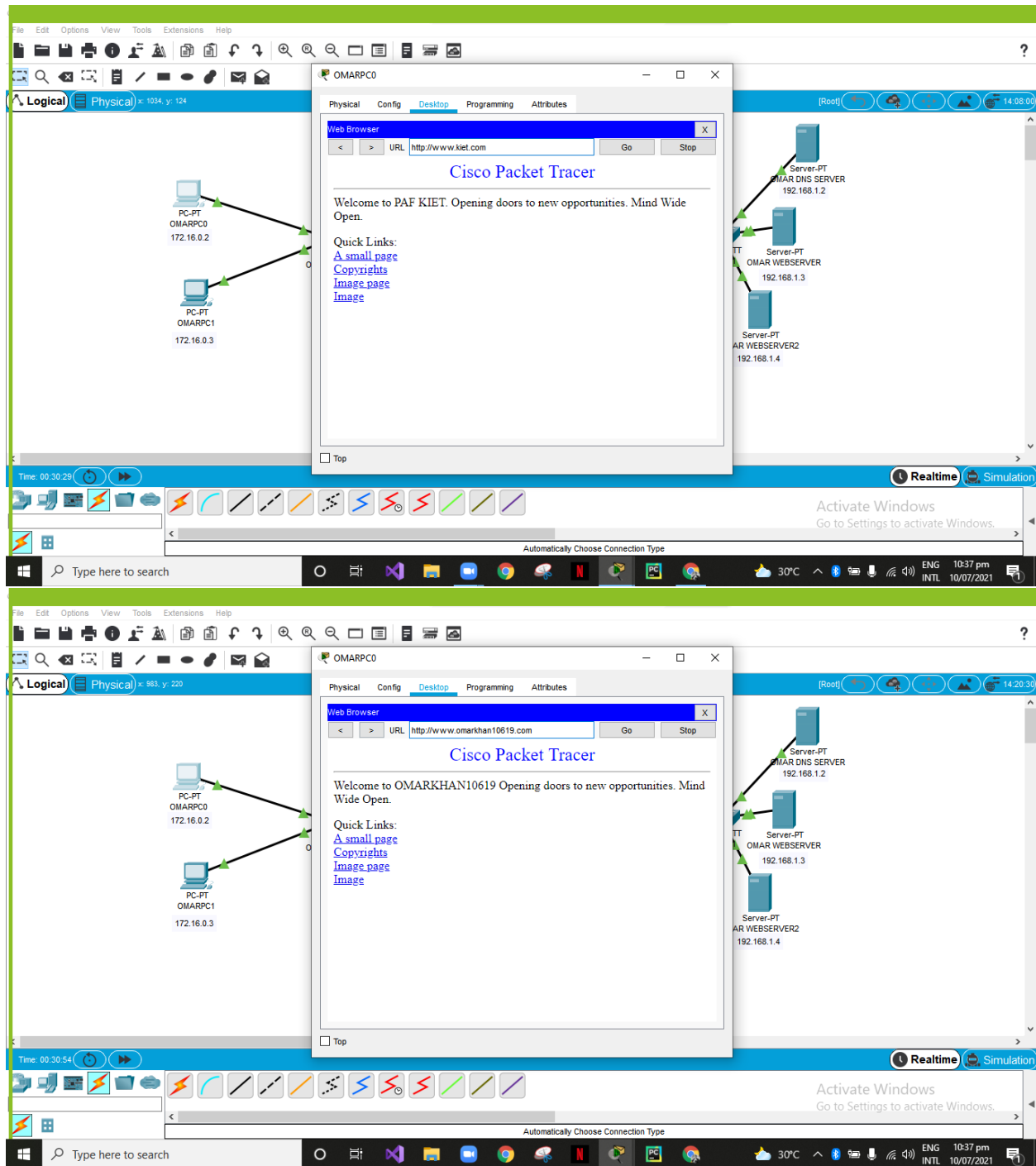
DNS Service: ☒ On ☐ Off

Resource Records:

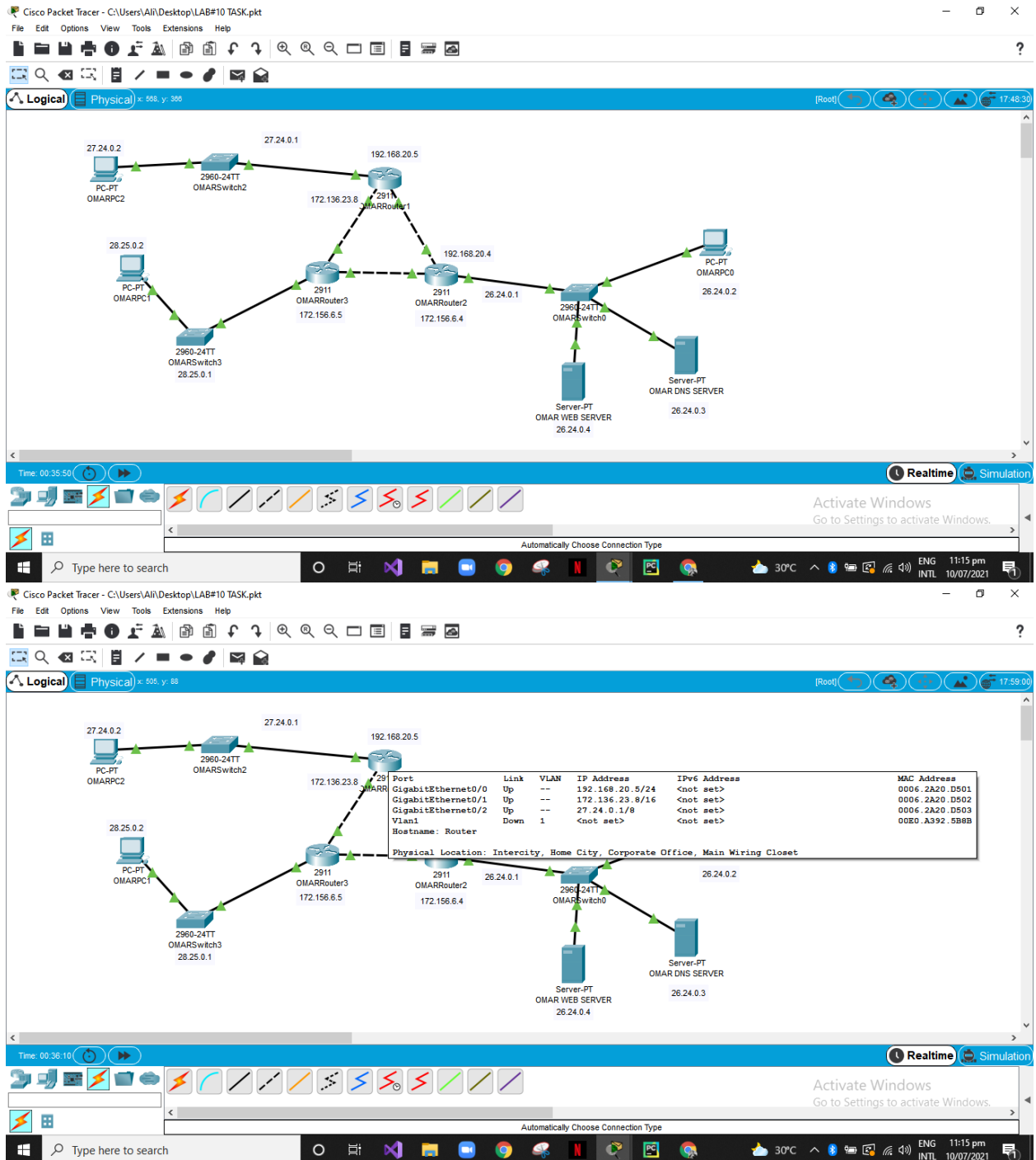
No.	Name	Type	Detail
0	kiet.com	CNAME	www.kiet.com
1	omar Khan10619.com	CNAME	www.omarkh...
2	www.kiet.com	A Record	192.168.1.3
3	www.omarkhan1...	A Record	192.168.1.4

DNS Cache

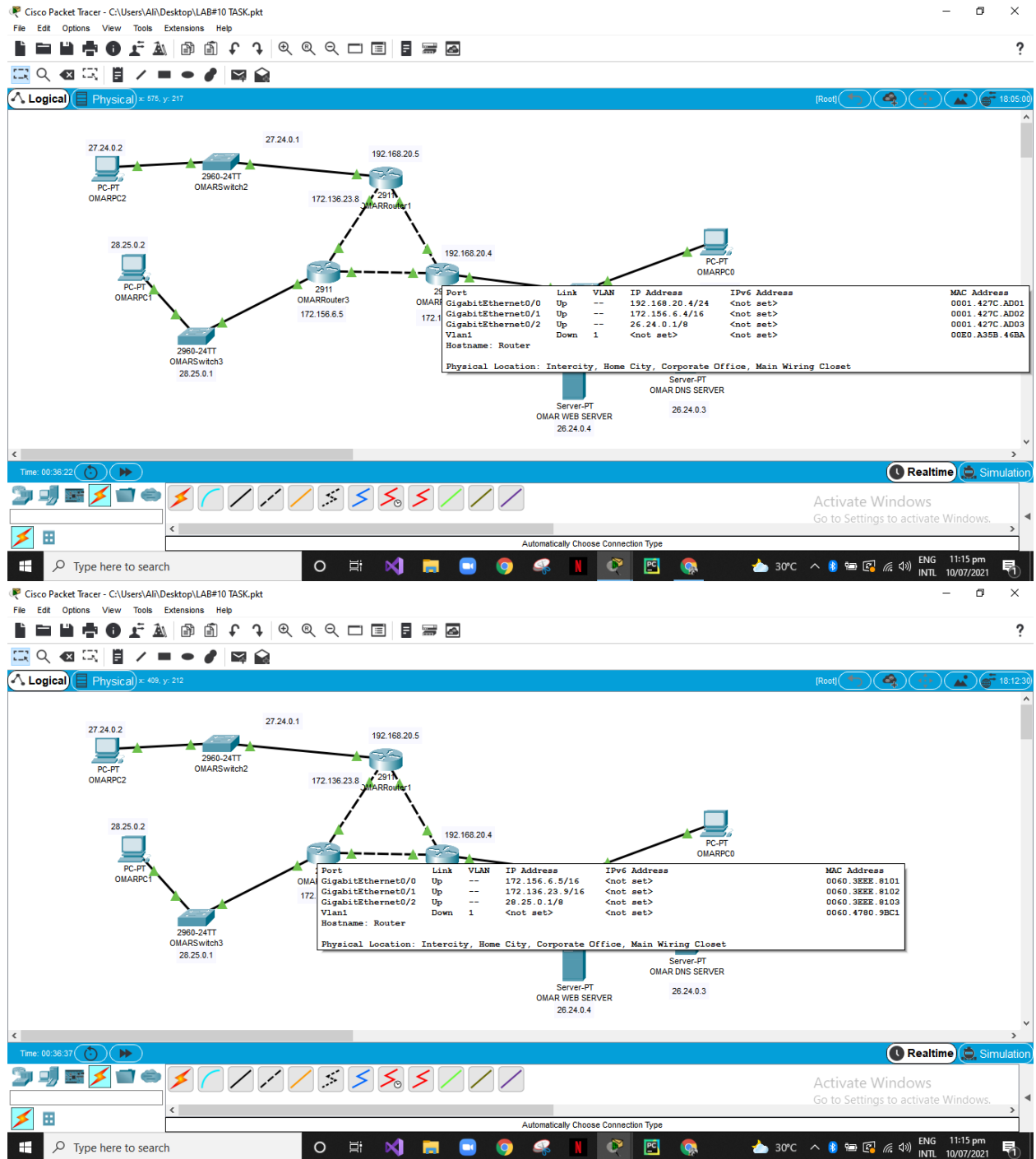
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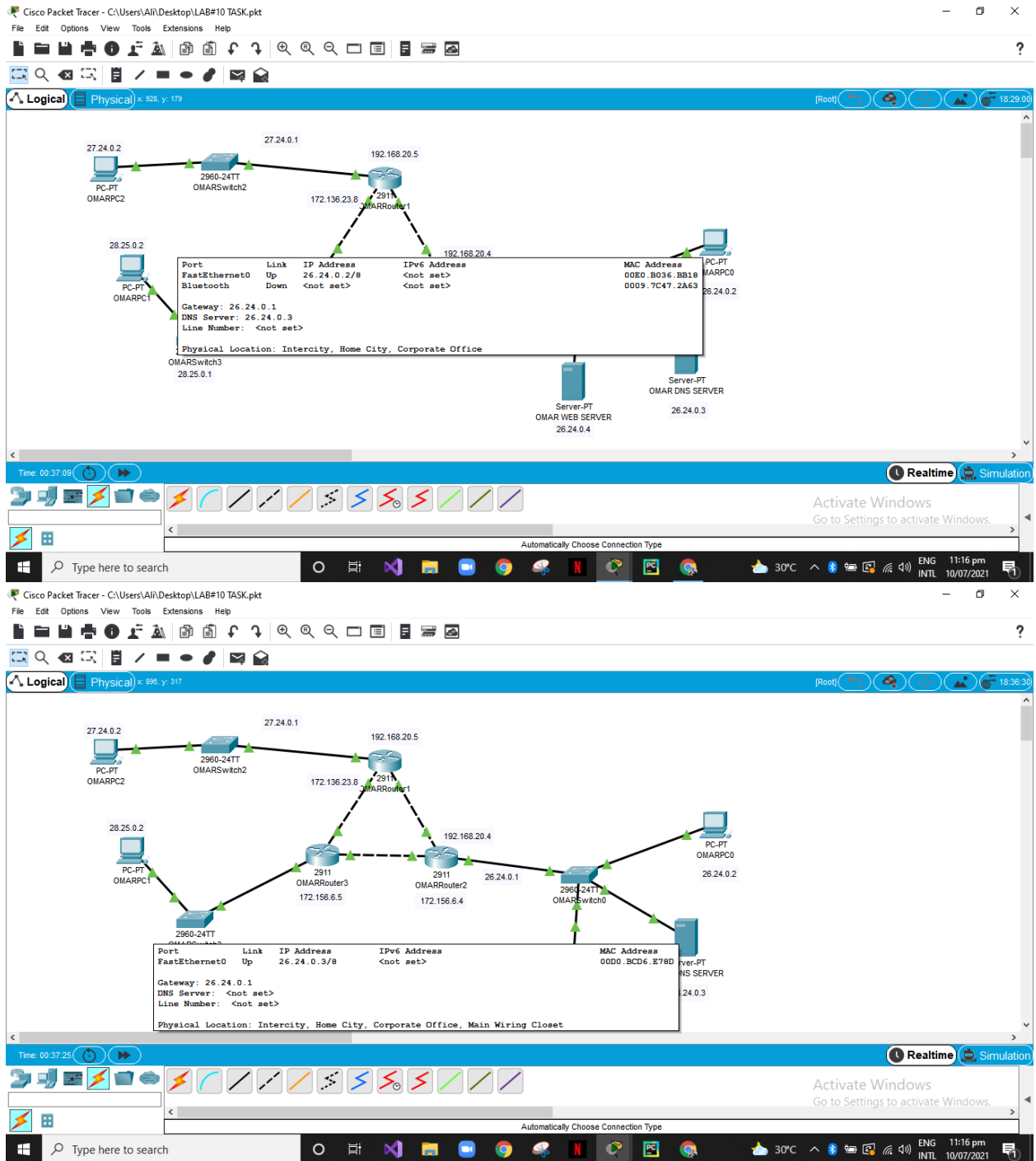
## LAB TASK:



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# MUHAMMAD UMAR KHAN 10619

## NC LAB#10

Cisco Packet Tracer - C:\Users\Ali\Desktop\LAB#10 TASK.pkt

File Edit Options View Tools Extensions Help

Logical Physical x: 782, y: 359 [Root] 18:44:00

Port: FastEthernet0  
Link: Up  
IP Address: 26.24.0.4/8  
IPv6 Address: <not set>  
MAC Address: 0005.68C9.2DE1  
Gateway: 26.24.0.1  
DNS Server: <not set>  
Line Number: <not set>

Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet

Time: 0

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

OMAR DNS SERVER

Physical Config Services Desktop Programming Attributes [Root] 18:55:00

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DNS

DNS Service: ☒ On ☐ Off

Resource Records

No.	Name	Type	Detail
0	www.omarkhan1...	A Record	26.24.0.4

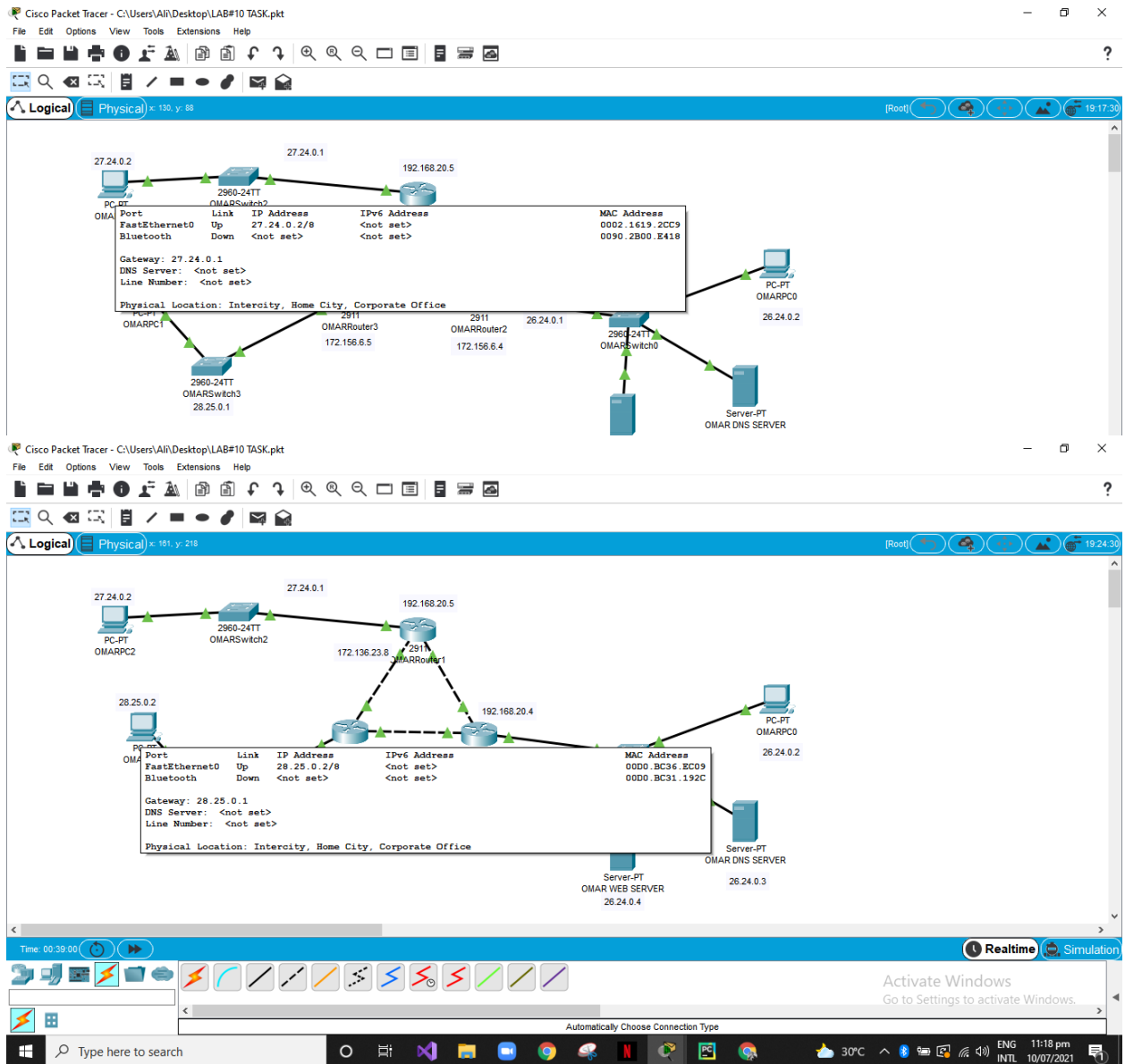
DNS Cache

Time: 00:38:01

Activate Windows  
Go to Settings to activate Windows.

Automatically Choose Connection Type

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