Congratulations! You passed!
TO PASS 80% or higher

Keep Learning

GRADE
100%

PT Activity - Examine NAT on a Wireless Router

LATEST SUBMISSION GRADE
100%

1. PT Activity - Examine NAT on a Wireless Router — 1 / 1 point

The focus of this activity is to observe NAT translations as they occur in the network.

Download and open the .pka file Examine NAT on a Wireless Router from the link below.

You can open the .docx to preview the steps that will be required to complete the activity.

Complete the activity and answer the questions in this quiz.

Packet Tracer PKA (.pka)

4.4.3.2 Packet Tracer - Examine NAT on a Wireless Router.pka

Packet Tracer Instruction Preview Sheet (.docx)

4.4.3.2 Packet Tracer - Examine NAT on a Wireless Router.docx

Learning Objectives

- **Examine NAT configuration on a wireless router**
- **Set up 4 PCs to connect to a wireless router using DHCP**
- **Examine traffic that crosses the network using NAT**

Required Resources

- **Windows PC with Packet Tracer installed**

Refer to the activity. What type of address does the router receive from the ISP and why?

- (●) The router receives a public IP address so data coming from the network is routable.
- ( ) The router receives a network address to place on its interface so that it knows the network to which it belongs.
- ( ) The router receives a private IP address so that it can distribute private addresses to the hosts on the LAN.
- ( ) The router receives a broadcast address so that all of the host can access the ISP.

✓ **Correct**
The router receives a public IP address so that it can forward traffic from its network to other remote networks.

2. **Refer to the activity. What address changes in a packet during the NAT process as the packet leaves the router destined for a remote host over the Internet?** — 1 / 1 point

- ( ) local destination IP address
- (●) local source IP address
- ( ) global destination IP address
- ( ) global source IP address

✓ **Correct**
The source IP address is typically coming from a hosts with a private IP address. As it traverses the router on its way to the destination

3. **Refer to the activity. If all of the hosts are using the same public IP address to send packets, how does the router distinguish the data** — 1 / 1 point

does the router distinguish the data

It builds and stores a Network Address Translation (NAT) table that shows the mappings of the inside local host address to the inside global host address.

Correct

It builds and stores a Network Address Translation (NAT) table that shows the mappings of the inside local host address to the inside global host address.