**Part 1: Investigate NAT Operation Across the Intranet**

Step 2: Generate an HTTP request from any PC in the Central domain.

d. Click Capture / Forward until the PDU is over D1 or D2. Record the source and destination IP addresses. To what devices do those addresses belong?

Answer:

Source IP address: 10.2.0.6 – belong PC2

Destination IP address: 64.100.200.1 – belong R4

e. Click Capture / Forward until the PDU is over R2. Record the source and destination IP addresses in the outbound packet. To what devices do those addresses belong?

Answer:

Source IP address: 64.100.100.3 – belong R2

Destination IP address: 64.100.200.1 – belong R4

g. Click Capture / Forward until the PDU is over R4. Record the source and destination IP addresses in the outbound packet. To what devices do those addresses belong?

Answer:

Source IP address: 64.100.100.3 – belong R2

Destination IP address: 172.16.0.3 – belong BranchServer

j. What do the inside local IP addresses have in common?

Answer:

The inside local IP addresses are reserved for private use.

k. Did any private addresses cross the Intranet?

Answer:

No

**Part 2: Investigate NAT Operation Across the Internet**

Step 1: Generate an HTTP request from any computer in the home office.

d. Click Capture / Forward until the PDU is over WRS. Record the inbound source and destination IP addresses and the outbound source and destination addresses. To what devices do those addresses belong?

Answer:

The inbound source IP address: 192.168.0.101 – belongs to Home Desktop

The outbound source IP address: 64.100.100.2 – belongs to R2

The outbound source IP address: 64.104.223.2 – belongs to WRS

The outbound destination IP address: 64.100.100.2 – belongs to R2

e. Click Capture / Forward until the PDU is over R2. Record the source and destination IP addresses in the outbound packet. To what devices do those addresses belong?

Answer:

The source IP address: 64.104.223.2 – belongs to WRS

The destination IP address: 10.10.10.2 – belongs to Central Sever

g. Return to Realtime mode. Did all of the web pages appear in the browsers?

Answer:

Yes

By Olena Pyvovar