Packet Tracer - Configure Dynamic NAT

# Objectives

Part 1: Configure Dynamic NAT

Part 2: Verify NAT Implementation

# Instructions

## Configure Dynamic NAT

### Configure traffic that will be permitted.

Open configuration window

On **R2**, configure one statement for ACL 1 to permit any address belonging to the 172.16.0.0/16 network.

### Configure a pool of address for NAT.

Configure **R2** with a NAT pool that uses two addresses in the 209.165.200.228/30 address space.

Notice in the topology there are 3 network addresses that would be translated based on the ACL created.

#### Question:

What will happen if more than 2 devices attempt to access the internet?

The first two devices to connect will obtain the two NAT addresses. The third device will not be able to obtain an address until one of the other two devices loses their address or the pool is expanded with another NAT address.

### Associate ACL 1 with the NAT pool.

Enter the command that associates ACL 1 with the NAT pool that you just created.

### Configure the NAT interfaces.

Configure **R2** interfaces with the appropriate inside and outside NAT commands.

Close configuration window

## Verify NAT Implementation

### Access services across the internet.

From the web browser of **L1**, **PC1**, or **PC2**, access the web page for **Server1**.

### View NAT translations.

View the NAT translations on **R2**. Identify the internal source address of the PC and the translated address from the NAT pool in the command output.

Open configuration window

R2# **show ip nat translations**

Close configuration window

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