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 additional devices would be denied access until one of the previous translations timed out freeing up an address to use.***

### 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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