**INFORMATION SECURITY MANAGEMENT (CSE 3502)**

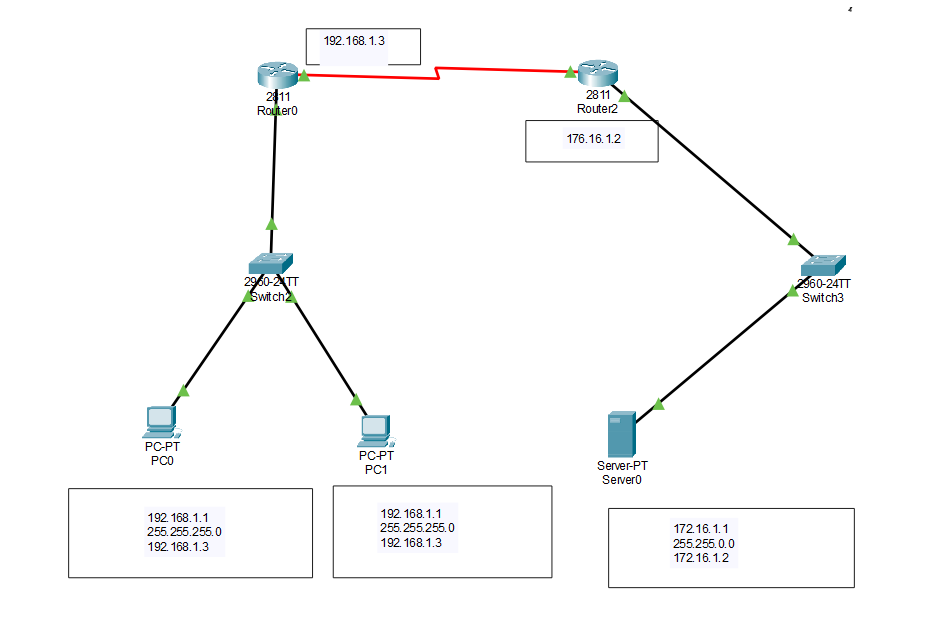
**LAB-4**

**“Network Address Translation”**

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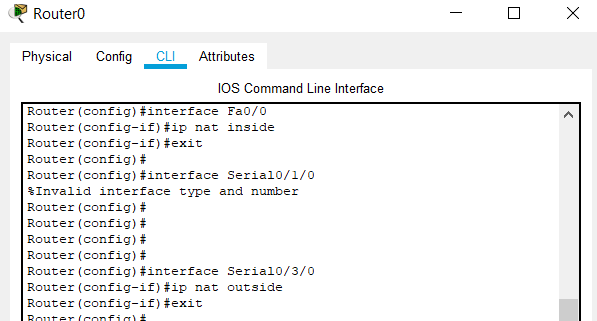
* **The main use of NAT is to limit the number of public IP addresses an organization or company must use, for both the economy and the security purposes.**
* **NAT acts as firewall with a default deny policy for unregistered incoming packets, but no other rules.**
* **There are 3 types of NAT, static, dynamic and port address translation.**

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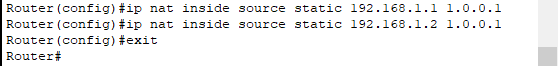
**Steps:**

**1) Initially we need to set the inside and outside IP address**

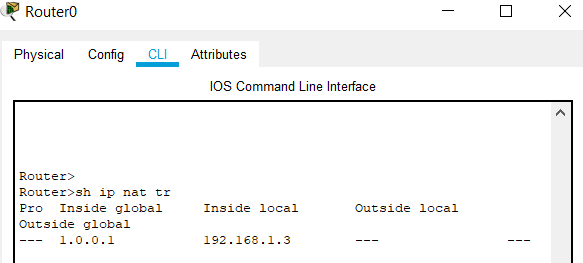
* **The Inside IP address will be the Fa0/0 interface to which the PC’s are connected.**
* **The outside IP address for the router will be the Se0/3/0 interface to which the server is connected.**

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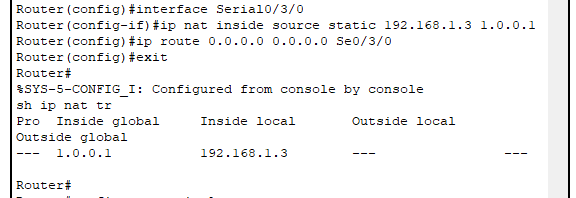
**2) Configuring the static NAT**

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**3) Command to show IP network translation of the registered IP addresses in the NAT**

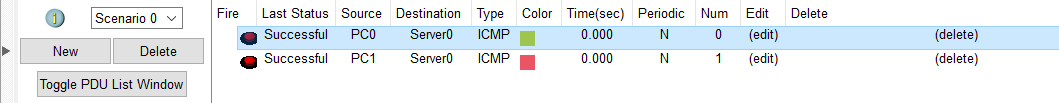
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**4) Adding the router’s IP address which is the PC’s gateway to the NAT**

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**OUTPUT:**

* **The successful transfer of packets from PC’s to the server in the network.**



* **The successful transfer of packets from server to PC’s in the network.**

