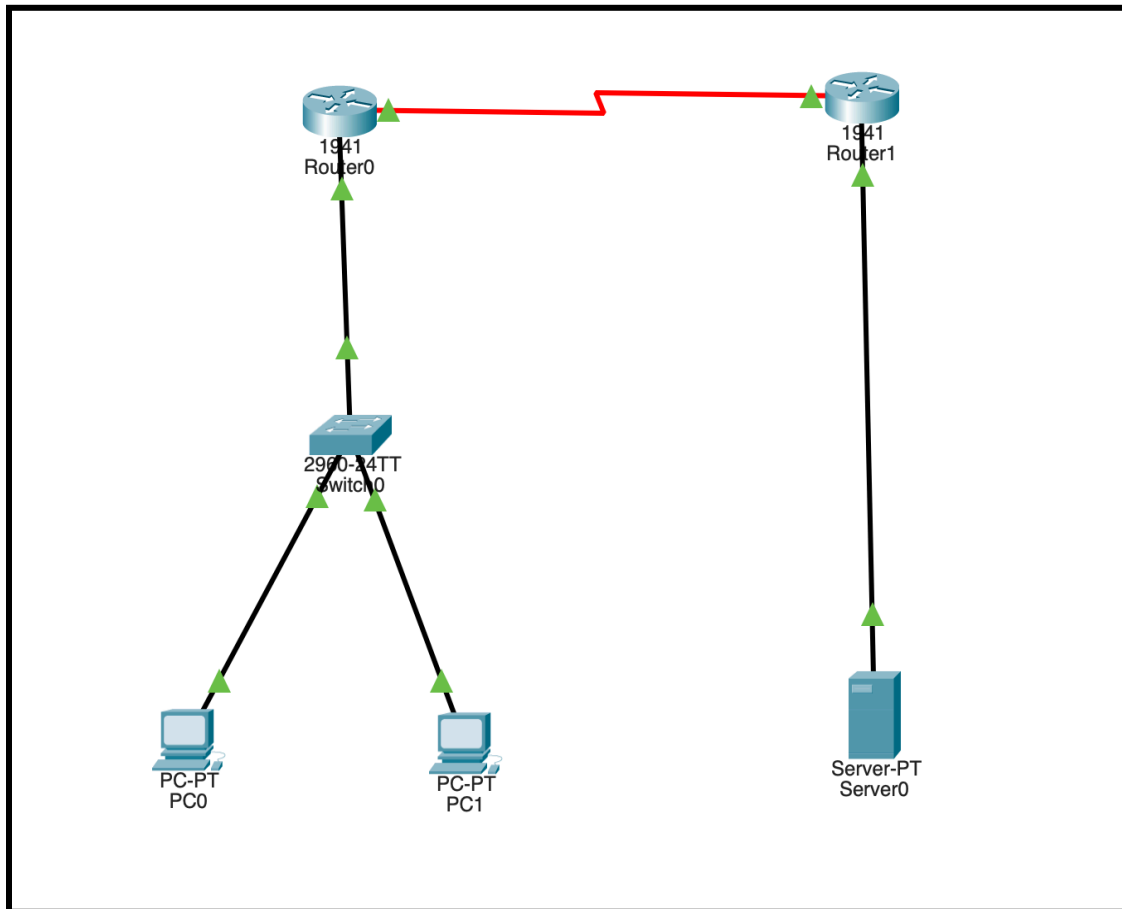


## Assignment - 9

**Aim: Implementing Static Network Address Translation (NAT) in Cisco Packet Tracer.**

**Simulation Diagram:**



**Router 0 Code:**

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>

Router>

```
Router>en
Router#config terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface gi 0/0
Router(config-if)#ip address 192.168.10.1 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up

Router(config-if)#exit
Router(config)#
Router(config)#interface serial se 0/1/0
      ^
% Invalid input detected at '^' marker.

Router(config)#interface se 0/1/0
Router(config-if)#ip address 10.0.0.1 255.0.0.0
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#
Router(config)#
Router(config)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state
to up

Router(config)#
Router(config)#ip nat inside source static 192.168.11.2 10.0.0.1
Router(config)#interface gi 0/0
Router(config-if)#ip nat inside
Router(config-if)#exit
Router(config)#interface se 0/0
%Invalid interface type and number
Router(config)#interface se 0/1/0
Router(config-if)#ip nat outside
```

```

Router(config-if)#
Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show ip nat translation *
      ^
% Invalid input detected at '^' marker.

Router#show ip nat translation *
      ^
% Invalid input detected at '^' marker.

Router#show ip nat translation ?
  <cr>
Router#show ip nat translation
Pro  Inside global      Inside local      Outside local      Outside global
---  10.0.0.1             192.168.11.2      ---                ---

Router#show ip nat translation
Pro  Inside global      Inside local      Outside local      Outside global
---  10.0.0.1             192.168.11.2      ---                ---

Router#

Router con0 is now available

Press RETURN to get started.

```

## Router 1 Code:

```

Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>
Router>en
Router#config terminal
Enter configuration commands, one per line.  End with CNTL/Z.

```

```
Router(config)#interface gi 0/0
Router(config-if)#ip address 192.168.11.1 255.255.255.0
Router(config-if)#no shutdown
```

```
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up
```

```
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#interface se 0/1/0
Router(config-if)#ip address 10.0.0.2 255.0.0.0
Router(config-if)#clock rate 64000\
```

```
^
% Invalid input detected at '^' marker.
```

```
Router(config-if)#clock rate 64000
Router(config-if)#no shutdown
```

```
Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up
```

```
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state
to up
```

```
Router(config)#
Router(config)#show ip nat translation*
^
% Invalid input detected at '^' marker.
```

```
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

```
Router#show ip nat translation
```

```
Router#show ip nat translation *  
^  
% Invalid input detected at '^' marker.
```

```
Router#  
Router#  
Router#  
Router#  
Router#show ip nat translations  
Router#
```

Router con0 is now available

Press RETURN to get started.