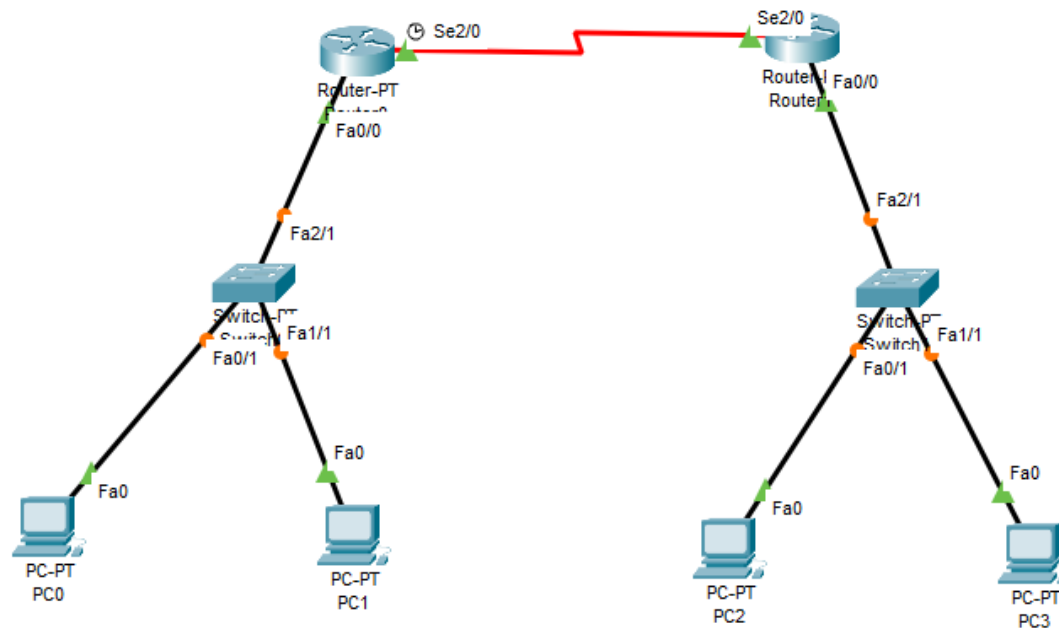


Topology:



PC0 Configuration:

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

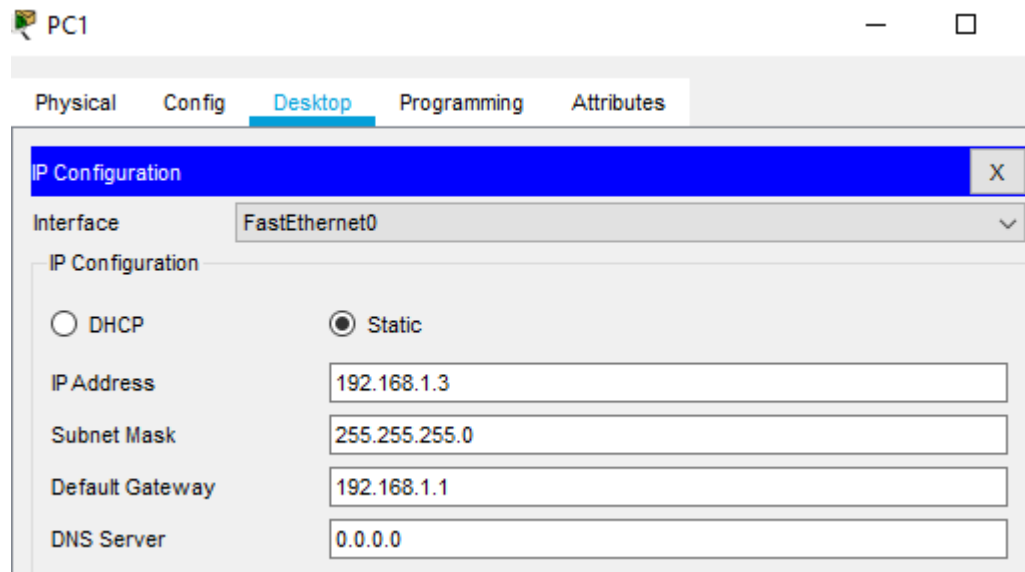
IP Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

PC1 Configuration:



PC1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.1.3

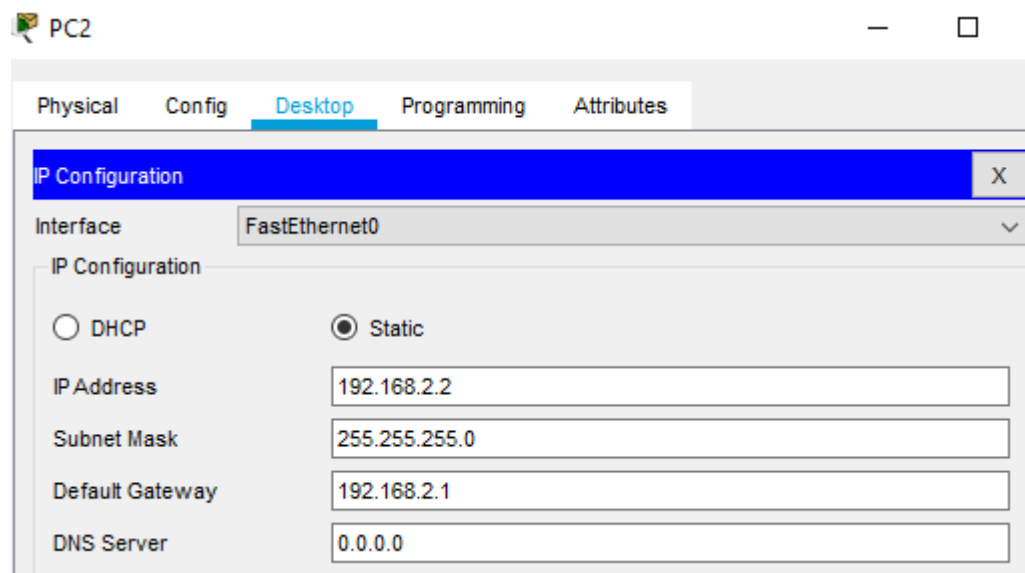
Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server 0.0.0.0

Detailed description: This is a screenshot of the 'PC1' configuration window in a network simulator. The window has a title bar with 'PC1' and standard minimize, maximize, and close buttons. Below the title bar are five tabs: 'Physical', 'Config', 'Desktop' (which is selected and highlighted in blue), 'Programming', and 'Attributes'. The 'Desktop' tab contains a sub-window titled 'IP Configuration' with a blue header and a close button 'X'. Inside this sub-window, there is a dropdown menu for 'Interface' set to 'FastEthernet0'. Below this, there are two radio buttons for 'IP Configuration': 'DHCP' and 'Static'. The 'Static' radio button is selected. Below the radio buttons are five text input fields: 'IP Address' (192.168.1.3), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.1.1), and 'DNS Server' (0.0.0.0).

PC2 Configuration:



PC2

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address 192.168.2.2

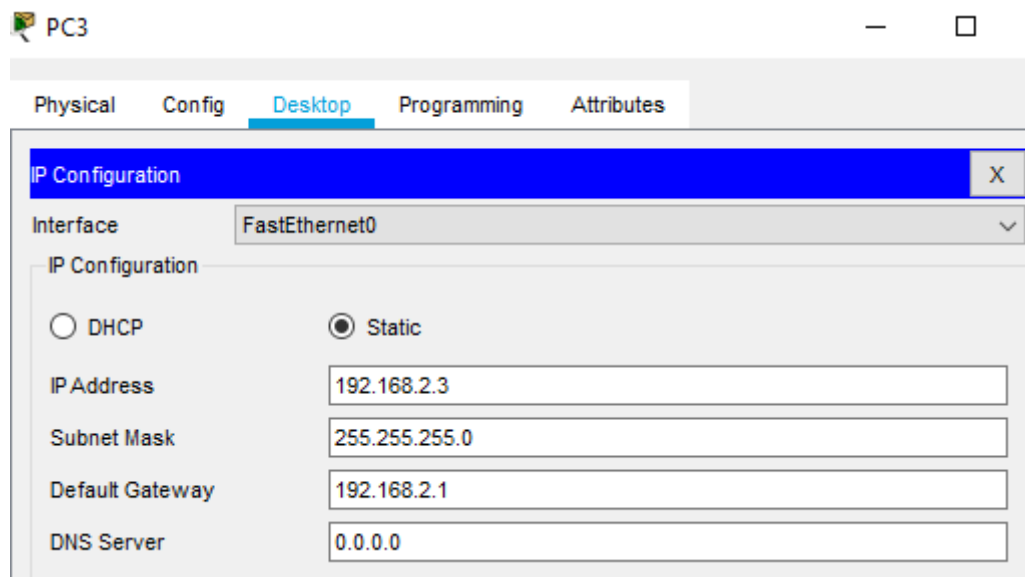
Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server 0.0.0.0

Detailed description: This is a screenshot of the 'PC2' configuration window in a network simulator. The window has a title bar with 'PC2' and standard minimize, maximize, and close buttons. Below the title bar are five tabs: 'Physical', 'Config', 'Desktop' (which is selected and highlighted in blue), 'Programming', and 'Attributes'. The 'Desktop' tab contains a sub-window titled 'IP Configuration' with a blue header and a close button 'X'. Inside this sub-window, there is a dropdown menu for 'Interface' set to 'FastEthernet0'. Below this, there are two radio buttons for 'IP Configuration': 'DHCP' and 'Static'. The 'Static' radio button is selected. Below the radio buttons are five text input fields: 'IP Address' (192.168.2.2), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.2.1), and 'DNS Server' (0.0.0.0).

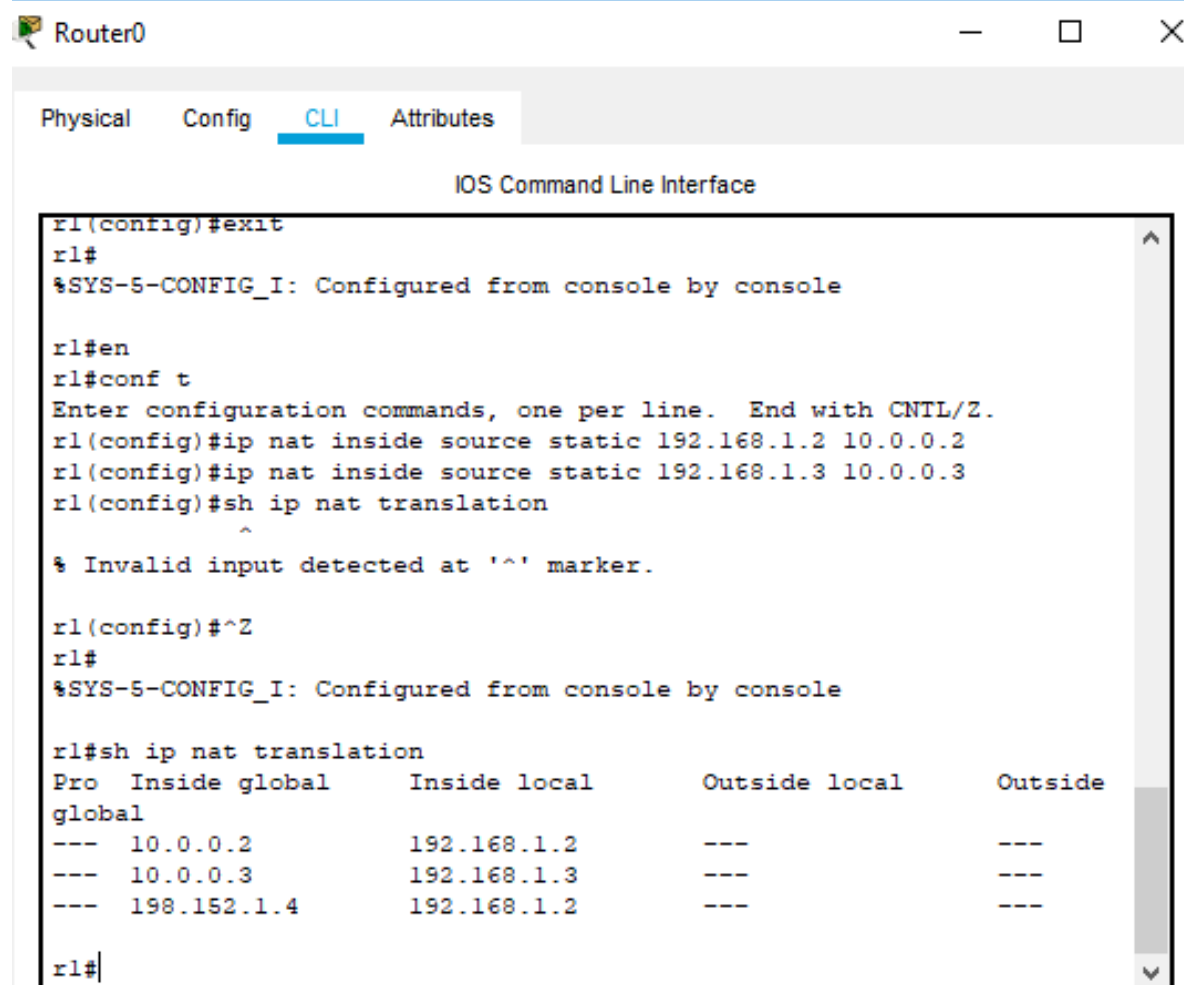
PC3 Configuration:



The image shows a window titled "PC3" with a tabbed interface. The "Desktop" tab is selected. Inside the "Desktop" tab, there is a sub-tabbed interface with "IP Configuration" selected. The "Interface" dropdown is set to "FastEthernet0". Under "IP Configuration", the "Static" radio button is selected. The fields are filled with the following values:

Field	Value
IP Address	192.168.2.3
Subnet Mask	255.255.255.0
Default Gateway	192.168.2.1
DNS Server	0.0.0.0

Static NAT:



The image shows a window titled "Router0" with a tabbed interface. The "CLI" tab is selected. The "IOS Command Line Interface" is displayed, showing the following commands and output:

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

rl#en
rl#conf t
Enter configuration commands, one per line. End with CNTL/Z.
rl(config)#ip nat inside source static 192.168.1.2 10.0.0.2
rl(config)#ip nat inside source static 192.168.1.3 10.0.0.3
rl(config)#sh ip nat translation
^
% Invalid input detected at '^' marker.

rl(config)#^Z
rl#
%SYS-5-CONFIG_I: Configured from console by console

rl#sh ip nat translation
Pro  Inside global      Inside local      Outside local      Outside
global
---  10.0.0.2               192.168.1.2      ---               ---
---  10.0.0.3               192.168.1.3      ---               ---
---  198.152.1.4           192.168.1.2      ---               ---

rl#
```

```

rl#en
rl#conf t
Enter configuration commands, one per line. End with CNTL/Z.
rl(config)#int fa0/0
rl(config-if)#ip nat inside
rl(config-if)#int se2/0
rl(config-if)#ip nat outside
rl(config-if)#exit
rl(config)#exit
rl#
%SYS-5-CONFIG_I: Configured from console by console

rl#sh ip nat tr
Pro  Inside global      Inside local      Outside local      Outside
global
---  10.0.0.2              192.168.1.2       ---                ---
---  10.0.0.3              192.168.1.3       ---                ---
---  198.152.1.4          192.168.1.2       ---                ---

rl#

```

Dynamic NAT:

Router0

Physical
Config
CLI
Attributes

IOS Command Line Interface

```

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

rl>en
rl#conf t
Enter configuration commands, one per line. End with CNTL/Z.
rl(config)#access-list 1 permit 192.168.1.2 255.0.0.0
rl(config)#ip nat pool kingpool 10.0.0.2 10.0.0.6 netmask 255.255.255.0
rl(config)#ip nat inside source list 1 pool kingpool
rl(config)#int fa0/0
rl(config-if)#ip nat inside
rl(config-if)#int se2/0
rl(config-if)#ip nat outside
rl(config-if)#^
% Invalid input detected at '^' marker.

rl(config-if)#ip nat outside
rl(config-if)#^Z
rl#sh ip nat translation
Pro  Inside global      Inside local      Outside local      Outside global
icmp 10.0.0.2:1          192.168.1.2:1     192.168.2.3:1     192.168.2.3:1
icmp 10.0.0.2:2          192.168.1.2:2     192.168.2.3:2     192.168.2.3:2
---  10.0.0.2              192.168.1.2       ---                ---
---  10.0.0.3              192.168.1.3       ---                ---

```