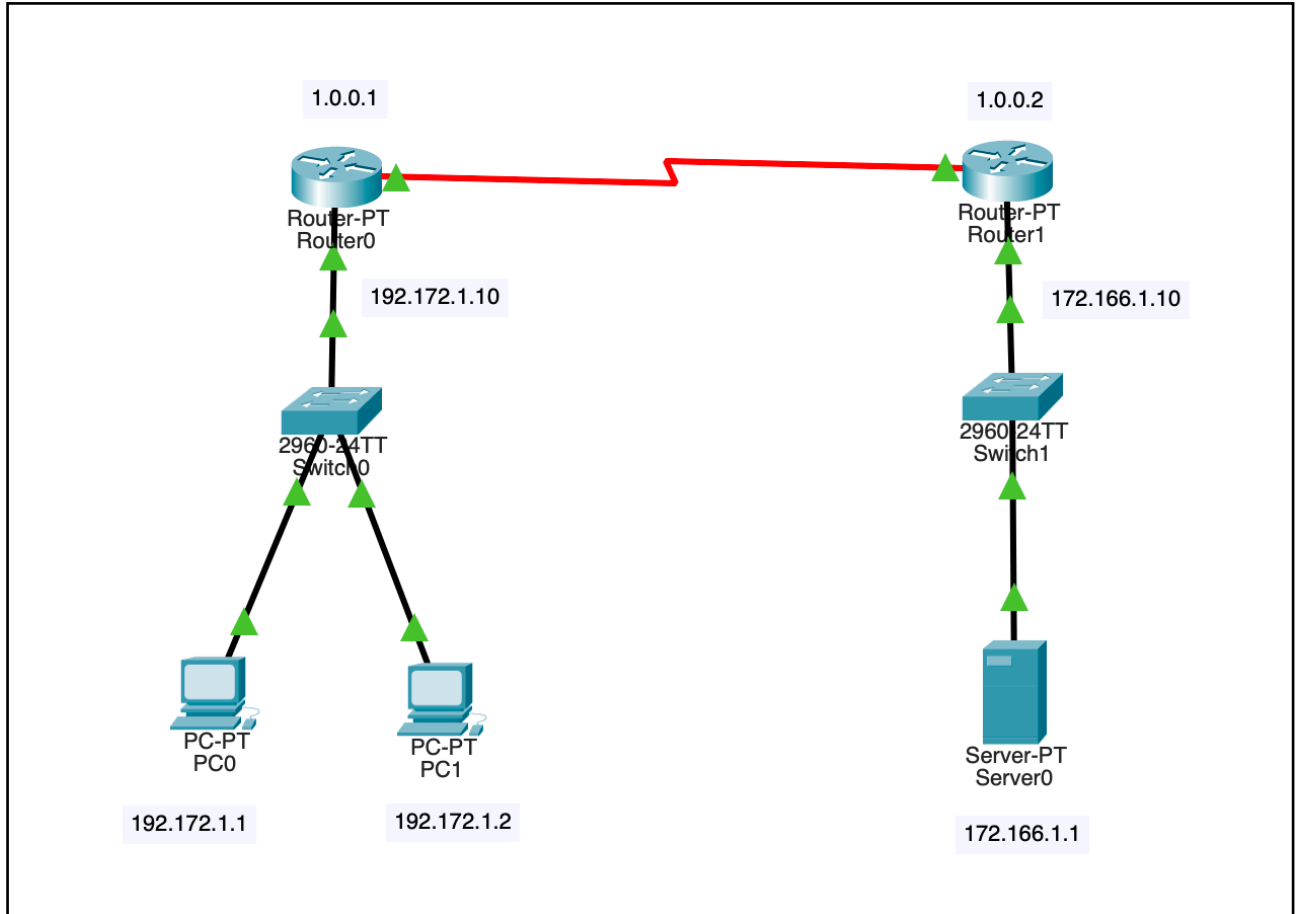


Static NAT Using Cisco Packet Tracer

Network Topology



PCs Configuration

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 192.172.1.1

Subnet Mask: 255.255.255.0

Default Gateway: 192.172.1.10

DNS Server: 0.0.0.0

PC1

PhysicalConfigDesktopProgrammingAttributes

IP Configuration

InterfaceFastEthernet0

IP Configuration

DHCP

Static

IPv4 Address192.172.1.2

Subnet Mask255.255.255.0

Default Gateway192.172.1.10

DNS Server0.0.0.0

Server Configuration

Server0

PhysicalConfigServicesDesktopProgrammingAttributes

IP Configuration

IP Configuration

DHCP

Static

IPv4 Address172.166.1.1

Subnet Mask255.255.0.0

Default Gateway172.166.1.10

DNS Server0.0.0.0

Routers Configuration

Router0

PhysicalConfigCLIAtributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

Serial2/0

Port Status

Duplex

Clock Rate

IP Configuration

Tx Ring Limit

On

Full Duplex

2000000

IPv4 Address

Subnet Mask

10

Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Static Routes

Network

Mask

Next Hop

Add

Network Address

172.166.1.0/24 via 1.0.0.2

0.0.0.0/0 via Serial2/0

Remove

Router0

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet0/0

Port Status

Bandwidth

Duplex

MAC Address

IP Configuration

IPv4 Address

Subnet Mask

Tx Ring Limit

```

Router(config)#interface Serial2/0
Router(config-if)#
Router(config-if)#ex
Router(config)#int FastEthernet0/0
Router(config-if)#ip nat inside
Router(config-if)#ex
Router(config)#int Serial2/0
Router(config-if)#ip nat outside
Router(config-if)#ex
Router(config)#ip nat inside source static 192.172.1.1 1.0.0.1
Router(config)#ip route 0.0.0.0 0.0.0.0 Serial2/0
Router(config)#ip nat inside source static 192.172.1.2 1.0.0.1
Router(config)#ip route 0.0.0.0 0.0.0.0 Serial2/0
Router(config)#ex

```

Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

Serial2/0

Port Status

☒ On

Duplex

☐ Full Duplex

Clock Rate

2000000

IP Configuration

IPv4 Address

1.0.0.2

Subnet Mask

255.0.0.0

Tx Ring Limit

10

Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet4/0

FastEthernet5/0

Static Routes

Network

Mask

Next Hop

Add

Network Address

192.172.1.0/24 via 1.0.0.1

0.0.0.0/0 via Serial2/0

Router1

PhysicalConfigCLIAttributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet1/0

Serial2/0

Serial3/0

FastEthernet0/0

Port Status

☒ On

Bandwidth

☐ 100 Mbps☐ 10 Mbps☒ Auto

Duplex

☐ Half Duplex☒ Full Duplex☒ Auto

MAC Address

0001.436B.4D95

IP Configuration

IPv4 Address

172.166.1.10

Subnet Mask

255.255.0.0

Tx Ring Limit

10

```
Router(config)#ip nat inside source static 172.166.1.1 1.0.0.2
Router(config)#ip route 0.0.0.0 0.0.0.0 Serial2/0
Router(config)#ex
```

```
Router(config)#int FastEthernet0/0
Router(config-if)#ip nat inside
Router(config-if)#ex
Router(config)#int Serial2/0
Router(config-if)#ip nat outside
Router(config-if)#ex
```

Pinging Server From PCs

