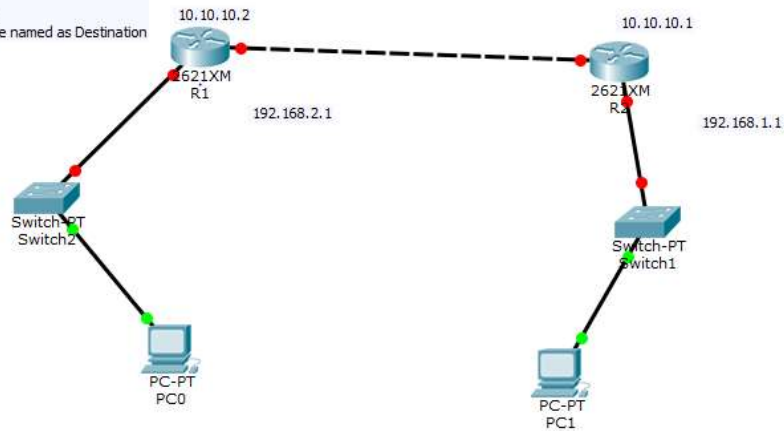


LAB # 10:



Destination Network
Subnet Mask
Next Hop

Interconnected named as Nexthope
nterconnected from right to right side named as Destination



Destination Network
Subnet Mask
Next Hop

```
Router>en
Router#cong ter
      ^
% Invalid input detected at '^' marker.

Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R1
R1(config)#in f0/1
R1(config-if)#ip add 192.168.2.1 255.255.255.0
R1(config-if)#no shut

R1(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to
up
|
```

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

R1(config-if)#ex

R1(config)#in f0/0

R1(config-if)#ip add 10.10.10.2 255.0.0.0

R1(config-if)#no shut

R1(config-if)#

%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

R1(config-if)#iex

% Invalid input detected at '^' marker.

R1(config-if)#ex

R1(config)#dhcp pool pl

% Invalid input detected at '^' marker.

R1(config)#ip dhcp pool pl

PC R1(dhcp-config)#network 192.168.2.0 255.255.255.0

P R1(dhcp-config)#default-router 192.168.2.1

R1(dhcp-config)#default-route 192.168.2.1

R1(dhcp-config)#ex

R1(config)#ip dhcp excluded-address 192.168.2.1

R1(config)#

R1

Physical

Config

CLI

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet0/1

10.10.10.1

621X

R1

C-PT

C0

Static Routes

Network192.168.1.1

Mask255.255.255.0

Next Hop10.10.10.1

Add

Network Address

Remove

Equivalent IOS Commands

R1(config-if)#

R1(config-if)#exit

R1(config)#interface FastEthernet0/0

R1(config-if)#

```
Router>en
Router#con ter
% Ambiguous command: "con ter"
Router#hostname R2
      ^
% Invalid input detected at '^' marker.

Router#conf ter
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname R2
R2(config)#int f0/1
R2(config-if)#ip add 192.168.1.1 255.255.255.0
R2(config-if)#no shut

R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

R2(config-if)#ex
R2(config)#int f0/0
R2(config-if)#ip add 10.10.10.0 255.0.0.0
R2(config-if)#no shut

R2(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

R2(config-if)#ex
R2(config)#dhcp pool p1
      ^
% Invalid input detected at '^' marker.

R2(config)#ip dhcp pool p2
R2(dhcp-config)#network 192.168.1.0 255.255.255.0
R2(dhcp-config)#default-route 192.168.1.1
R2(dhcp-config)#no shut
      ^
% Invalid input detected at '^' marker.

R2(dhcp-config)#ex
R2(config)#
```

PC0

Physical Config Desktop Custom Interface

IP Configuration

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.2.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.2.1

DNS Server

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::20D:BDFF:FE47:487A

IPv6 Gateway

IPv6 DNS Server

PC1

Physical Config Desktop Custom Interface

IP Configuration

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IP Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.1.1

DNS Server

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

Move Object

Set Tiled Background

R2

Physical

Config

CLI

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

INTERFACE

FastEthernet0/0

FastEthernet0/1

Static Routes

Network192.168.2.1

Mask255.255.255.0

Next Hop10.10.10.2

Add

Network Address

R

Equivalent IOS Commands

R2(config-if)#

R2(config-if)#exit

R2(config)#router rip

R2(config-router)#

R2(config-router)#exit

R2(config)#ip route 192.168.2.1 255.255.255.0 10.10.10.2

%Inconsistent address and mask

R2(config)#