

Ex: 10  
(a) Internet working with routers in  
CISCO PACKETS TRACER SIMULATOR

4/10/29

Aim: To design and configure a simple internetwork using a router.

In this network a router and 2 PC's is used. Computers are connected with router using a copper cable.

After forming the network, check its connectivity using a single PDU transfer from PC0 to PC1.

Procedure:

Step 1: Configure Router

1. select the router and open

CLI.

2. press enter to start configuring router.

3. type enable to activate the privileged mode.

Step 2: Configuring PC's

1. assign IP address to every PC in the network.

2. select the PC1, Config and assign IP address, default gateway, subnet.

3. Assign the default gateway PC.

as 192.168.10.1



1. Assign the default gateway of PC0  
192.168.20.1

Step 3: Connecting PC with router

1. Connect fast Ethernet (0) port of PC with fast Ethernet 0/0 port of router using a copper straight through cable.

2. Connect fast Ethernet (1) port of PC with fast Ethernet 0/1 port of router using a copper straight through cable.

Router configuration table

Device name	IP address	Subnet mask	IP address	Subnet mask
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Router 1	192.168.10.1	255.255.255.0	192.168.20.1	255.255.255.0
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PC Configuration table

Device name	IP address	Subnet mask	Gateway
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PC0	192.168.10.2	255.255.255.0	192.168.10.1
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PC1	192.168.20.2	255.255.255.0	192.168.20.1
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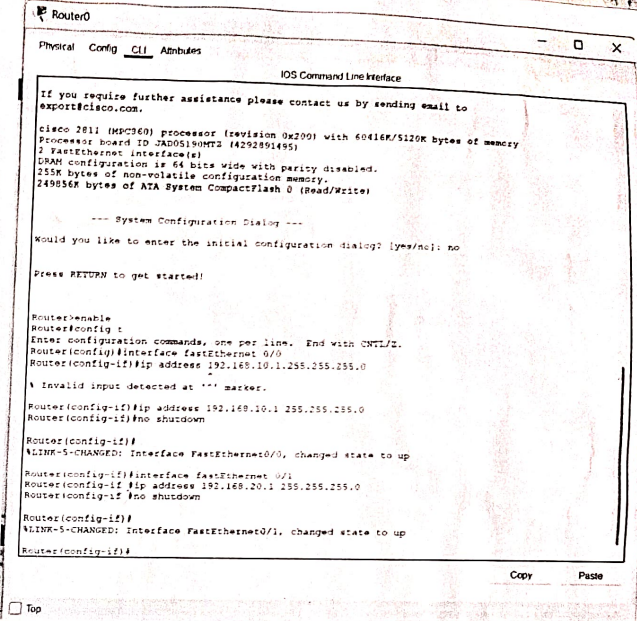
Designed Network Topology:

Simulation of designed network

Topology sending a PDU from PC0 to PC1.

through the router.

about the router configuration



Router 1 configuration table

