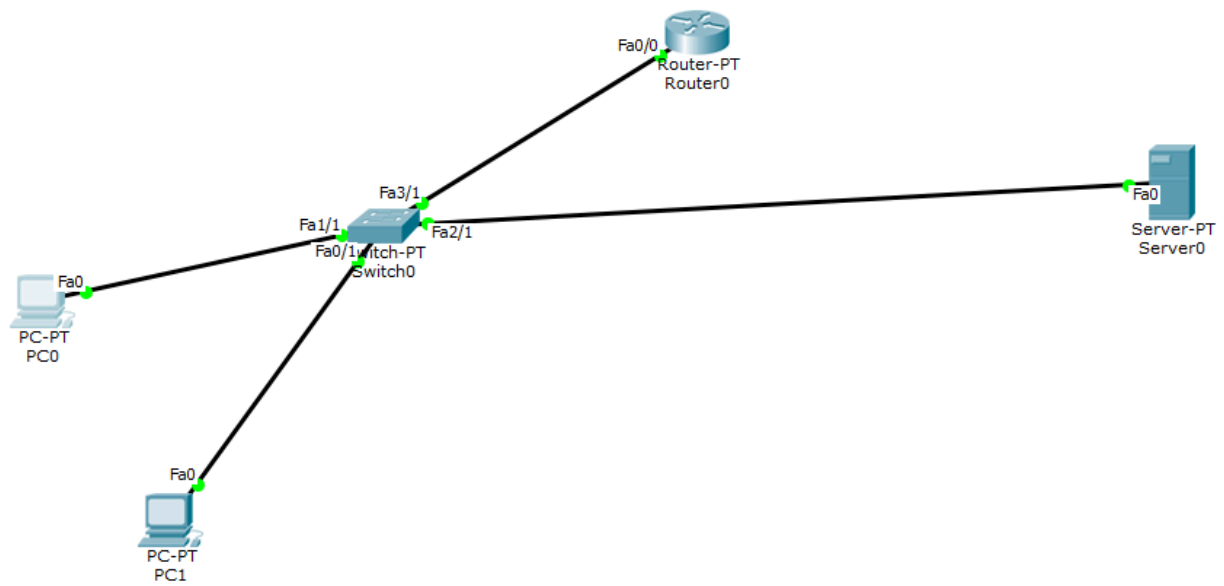
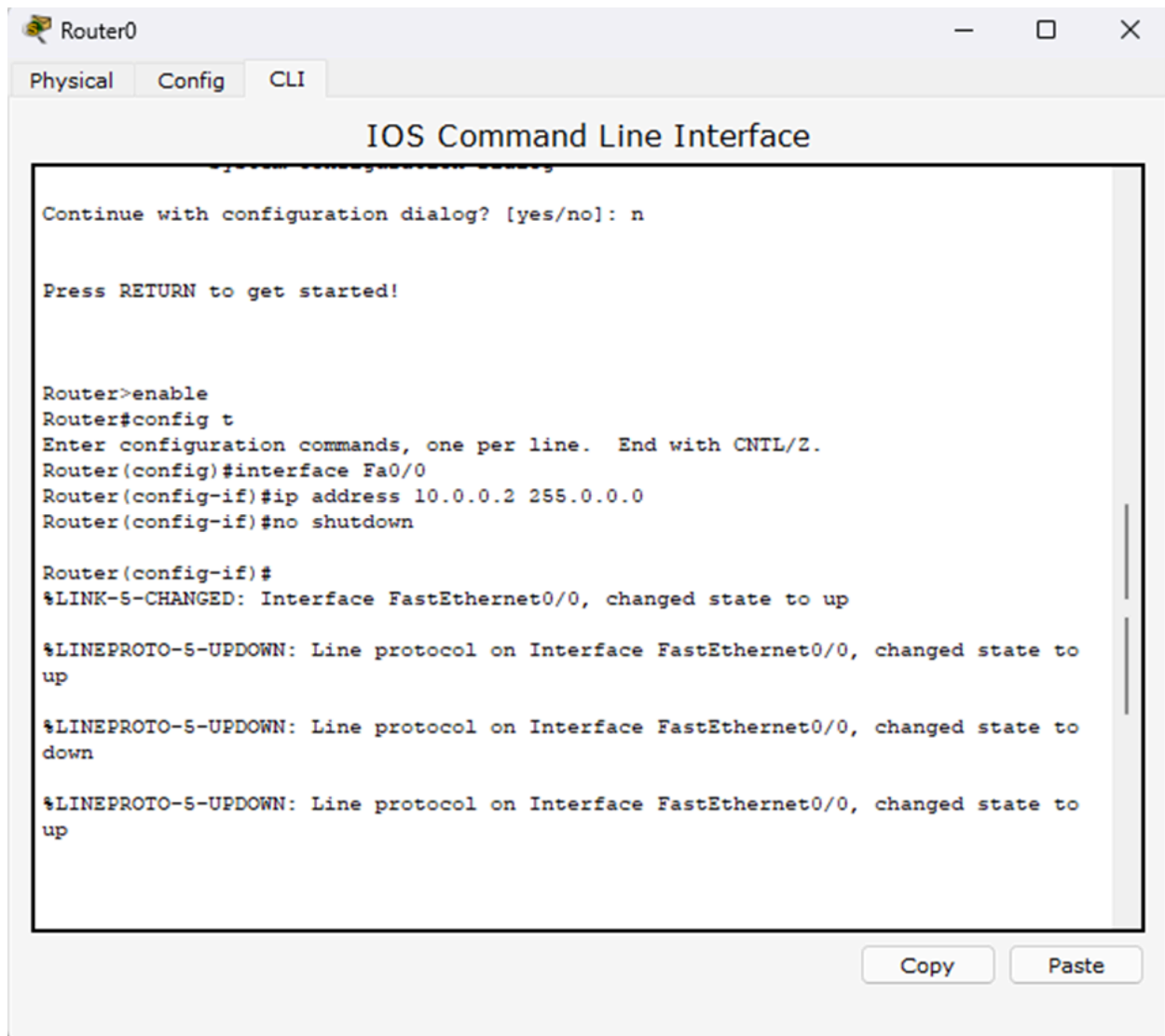


CONFIGURATION USING DHCP SERVERS

Topology



Router Configuration



Server Configuration

The screenshot shows a window titled "Server0" with a standard Windows-style title bar (minimize, maximize, close buttons). Below the title bar is a tabbed interface with four tabs: "Physical", "Config", "Services", and "Desktop". The "Config" tab is currently selected. On the left side of the "Config" tab, there is a vertical sidebar with a scrollable list of configuration categories. The categories are grouped into two sections: "GLOBAL" and "INTERFACE". Under "GLOBAL", there are three items: "Settings", "Algorithm Settings", and "FastEthernet0". Under "INTERFACE", there is one item: "FastEthernet0". The "FastEthernet0" item is currently selected, and its configuration is displayed in the main area of the window. The main area is titled "Global Settings" and contains several fields and options. At the top, there is a "Display Name" field with the value "Server0". Below that is an "Interfaces" dropdown menu with "FastEthernet0" selected. The "Gateway/DNS" section contains three radio buttons: "DHCP", "Static" (which is selected), and "Dynamic". Below the radio buttons are two text input fields: "Gateway" with the value "10.0.0.2" and "DNS Server" which is empty. The "Gateway/DNS IPv6" section also contains three radio buttons: "DHCP", "Auto Config", and "Static" (which is selected). Below these are two text input fields: "IPv6 Gateway" and "IPv6 DNS Server", both of which are empty.

Server0

Physical Config Services Desktop Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name: Server0

Interfaces: FastEthernet0

Gateway/DNS

☐ DHCP

☒ Static

Gateway: 10.0.0.2

DNS Server:

Gateway/DNS IPv6

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Gateway:

IPv6 DNS Server:

Setting the DHCP Service

Server0

Physical Config Services Desktop Custom Interface

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 10.0.0.2

DNS Server: 10.0.0.1

Start IP Address : 10 0 0 0

Subnet Mask: 255 0 0 0

Maximum number of Users : 512

TFTP Server: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP
server...	10.0.0.2	10.0.0.1	10.0.0.0	255.0.0.0	512	0.0.0.0

Automatic IP address for PC0 and PC1

PC0

Physical Config Desktop Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Gateway/DNS

☒ DHCP

☐ Static

Gateway

DNS Server

Gateway/DNS Ipv6

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Gateway

IPv6 DNS Server

PC1

Physical

Config

Desktop

Custom Interface

GLOBAL

Settings

Algorithm Settings

INTERFACE

FastEthernet0

Global Settings

Display Name

Gateway/DNS

☒ DHCP

☐ Static

Gateway

DNS Server

Gateway/DNS Ipv6

☐ DHCP

☐ Auto Config

☒ Static

IPv6 Gateway

IPv6 DNS Server

Pinging PC1 from PC0

