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Date: 5 October 2021

Section: 5-B

HOME TASKS

Modes of Router

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fa0/0
Router(config-if)#
```

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Changing Host Name

```
Router(config)#
Router(config)#hostname STORM_FIBER_ROUTER
STORM_FIBER_ROUTER(config)#exit
STORM_FIBER_ROUTER#
STORM_FIBER_ROUTER#
```

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Time

```
STORM_FIBER_ROUTER#clock set ?
  hh:mm:ss Current Time
STORM_FIBER_ROUTER#clock set 18:01:00 10 October 2021
STORM_FIBER_ROUTER#show clock
*18:1:0.0 UTC Sun Oct 10 2021
STORM_FIBER_ROUTER#
```

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Banner

```
STORM_FIBER_ROUTER>
STORM_FIBER_ROUTER>
STORM_FIBER_ROUTER>enable
STORM_FIBER_ROUTER#configure
Configuring from terminal, memory, or network [terminal]? terminal
Enter configuration commands, one per line. End with CNTL/Z.
STORM_FIBER_ROUTER(config)#banner motd $ THIS ROUTER IS SPONSORED BY STORM FIBER $
STORM_FIBER_ROUTER(config)#exit
STORM_FIBER_ROUTER#
%SYS-5-CONFIG_I: Configured from console by console
```

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```
STORM_FIBER_ROUTER con0 is now available
```

```
Press RETURN to get started.
```

```
THIS ROUTER IS SPONSORED BY STORM FIBER
```

```
STORM_FIBER_ROUTER>|
```

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DISPLAYING RUNNING-CONFIGURATION

```
STORM_FIBER_ROUTER>enable
STORM_FIBER_ROUTER#show running-config
Building configuration...

Current configuration : 654 bytes
!
version 12.2
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname STORM_FIBER_ROUTER
!
!
!
!
!
!
!
ip cef
no ipv6 cef
!
!
--More--
```

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Password

```
STORM_FIBER_ROUTER>enable
STORM_FIBER_ROUTER#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
STORM_FIBER_ROUTER(config)#line console 0
STORM_FIBER_ROUTER(config-line)#password 22337
STORM_FIBER_ROUTER(config-line)#login
STORM_FIBER_ROUTER(config-line)#end
STORM_FIBER_ROUTER#
%SYS-5-CONFIG_I: Configured from console by console

STORM_FIBER_ROUTER#
```

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```
--  
THIS ROUTER IS SPONSORED BY STORM FIBER
```

```
User Access Verification
```

```
Password:
```

```
STORM_FIBER_ROUTER>
```

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Secret Password

```
STORM_FIBER_ROUTER(config)#enable?  
enable  
STORM_FIBER_ROUTER(config)#enable secret bravo6  
STORM_FIBER_ROUTER(config)#exit  
STORM_FIBER_ROUTER#  
%SYS-5-CONFIG_I: Configured from console by console
```

```
STORM_FIBER_ROUTER#show running-config  
Building configuration...
```

```
Current configuration : 726 bytes
```

```
!  
version 12.2  
no service timestamps log datetime msec  
no service timestamps debug datetime msec  
no service password-encryption  
!  
hostname STORM_FIBER_ROUTER  
!  
!  
!  
enable secret 5 $1$mERr$WB598ZhWqV2JXRwmldGW.0  
!  
!  
!  
!
```

What is Telnet?

Telnet is a computer protocol that provides two-way interactive communication compatibility for computers on the internet and local area networks. Telnet has a command-line interface and is famous for being the original protocol from when the internet first launched.

Line VTY/telnet Password

```
STORM_FIBER_ROUTER(config)#line vty 0 4
STORM_FIBER_ROUTER(config-line)#password 1l22
STORM_FIBER_ROUTER(config-line)#login
STORM_FIBER_ROUTER(config-line)#exit
STORM_FIBER_ROUTER(config)#exit
STORM_FIBER_ROUTER#
%SYS-5-CONFIG_I: Configured from console by console
```

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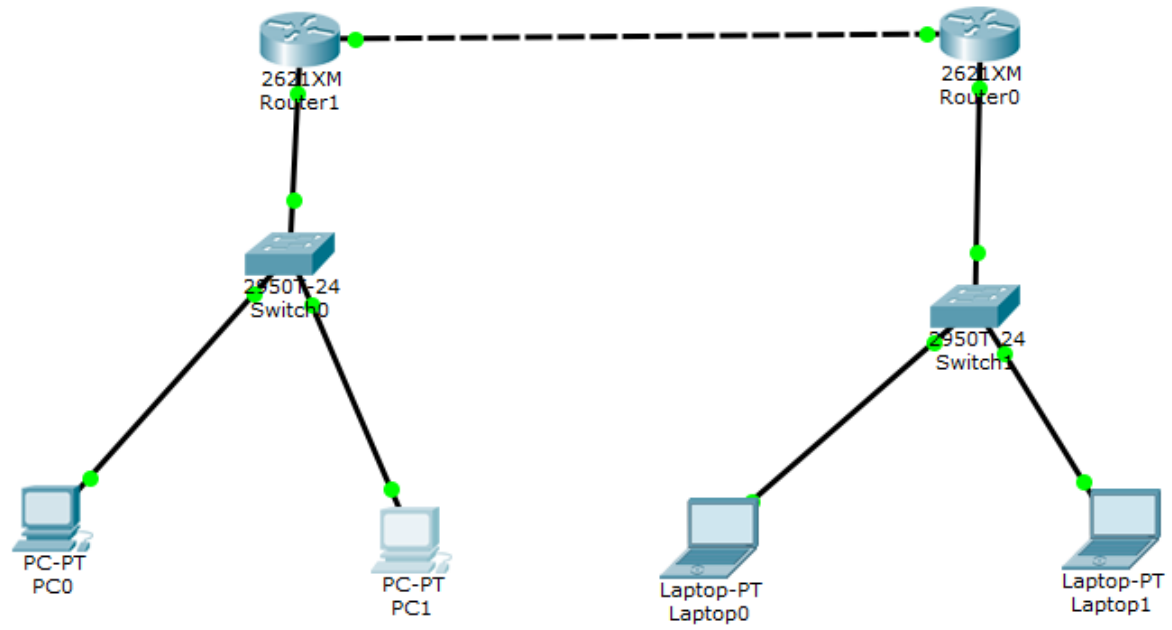
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Uses of router in different Topologies

Star Topology

A star is constructed by homing all locations into a common location. One could argue that this, in essence, creates a two-tiered topology. The distinction between a star and two-tiered topology is that the center router in a star topology may also be used to interconnect the LANs installed at that location with each other as well as the WAN.

TASK 01



MODES

IOS Command Line Interface

Press RETURN to get started.

THIS ROUTER IS SPONSORED BY STORM FIBER

User Access Verification

Password:

STORM_FIBER_ROUTER>enable

Password:

STORM_FIBER_ROUTER#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

STORM_FIBER_ROUTER(config)#interface fa0/1

STORM_FIBER_ROUTER(config-if)#

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ROUTER SECURITY

Press RETURN to get started.

THIS ROUTER IS SPONSORED BY STORM FIBER

User Access Verification

Password:

STORM_FIBER_ROUTER>enable