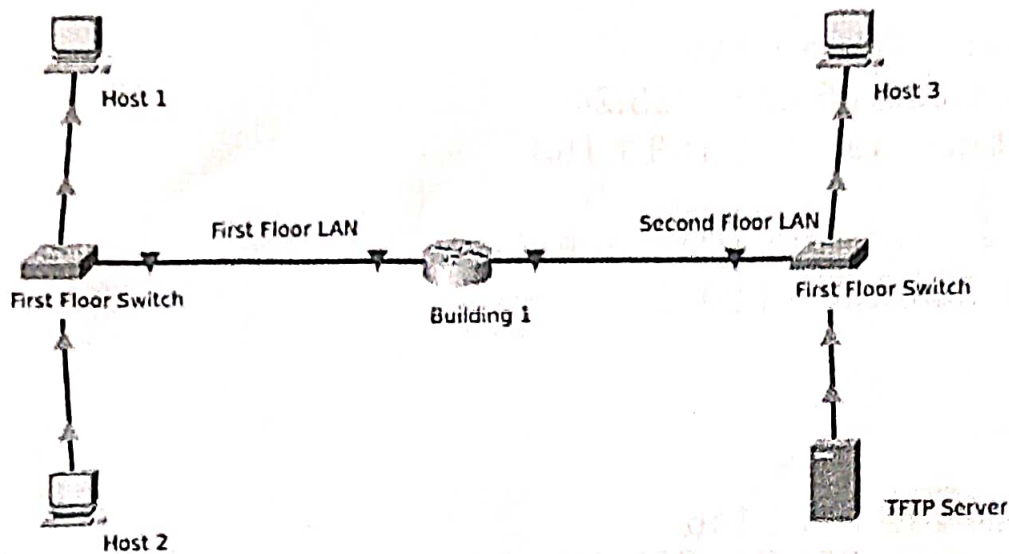


Topoogy-1



Answers of the Following:

Host 1:

IPv4 Address: 192.168.1.97

IPv4 Subnet mask: 255.255.255.224

IPv4 Default gateway: 192.168.1.126

IPv6 Address: 2001:DB8:ACAD:A::FF/64

IPv6 Default gateway: FE80::1

Host 2:

IPv4 Address: 192.168.1.98

IPv4 Subnet mask: 255.255.255.224

IPv4 Default gateway: 192.168.1.126

Pv6 Address: 2001:DB8:ACAD:A::15/64

IPv6 Default gateway: FE80::1

Host 3:

IPv4 Address: 192.168.1.145

IPv4 Subnet mask: 255.255.255.240

IPv4 Default gateway: 192.168.1.158

IPv6 Address: 2001:DB8:ACAD:B::FF/64

IPv6 Default gateway: FE80::1

TFTP Server

IPv4 Address: 192.168.1.146

IPv4 Subnet mask: 255.255.255.240

IPv4 Default gateway: 192.168.1.158

IPv6 Address: 2001:DB8:ACAD:B::15/64

IPv6 Default gateway: FE80::1

Building 1 router

Use line console to connect Host 1 and Building 1 router. On Host 1, go to "Desktop Tab" --> choice "Terminal"

```
en
conf terminal
hostname Building-1
enable secret class12345
service password-encryption
banner motd $This is Router$
security passwords min-length 10
login block-for 120 attempts 2 within 30
no ip domain-lookup
ip domain-name ITEXAMANSWERS.NET
crypto key generate rsa
1024
```

```
line console 0
password cisco12345
login
```

```
logging synchronous ✕  
exec-timeout 60 ✕  
exit
```

```
line vty 0 4  
password cisco12345  
transport input ssh  
login local
```

```
logging synchronous ✕  
exec-timeout 60 ✕  
exit
```

```
line aux 0  
password cisco12345  
login
```

```
logging synchronous ✕  
exec-timeout 60 ✕  
exit
```

```
ip ssh version 2  
ip ssh time-out 120  
username netadmin privilege 15 secret Cisco_CCNA7
```

```
interface g0/0  
ip address 192.168.1.126 255.255.255.224  
description First Floor LAN  
ipv6 address 2001:DB8:ACAD:A::1/64  
ipv6 address fe80::1 link-local  
no shutdown  
exit
```

```
interface g0/1  
ip address 192.168.1.158 255.255.255.240  
description Second Floor LAN  
ipv6 address 2001:DB8:ACAD:B::1/64  
ipv6 address fe80::1 link-local  
no shutdown  
exit  
ipv6 unicast-routing  
exit  
write
```


Second Floor Switch

Use **line console** to connect **Host 3** and **Second Floor Switch**.
On **Host 3**, go to "**Desktop Tab**" --> choice "**Terminal**"

Host 3

IPv4 A
IPv4 S
IPv4 I

IPv6
IPv6

TFT

IPv4
IPv4
IPv4

IPv
IPv

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h
e
:

x[

enable

conf terminal
enable secret class12345
service password-encryption
banner motd \$Second Floor Switch\$
no ip domain-lookup

line console 0
password cisco12345
login

logging synchronous X
exec-timeout 60 X
exit

line vty 0 15

password cisco12345
login

logging synchronous X
exec-timeout 60 X
exit

interface vlan 1
ip address 192.168.1.157 255.255.255.240
no shutdown
exit

ip default-gateway 192.168.1.158
exit
write