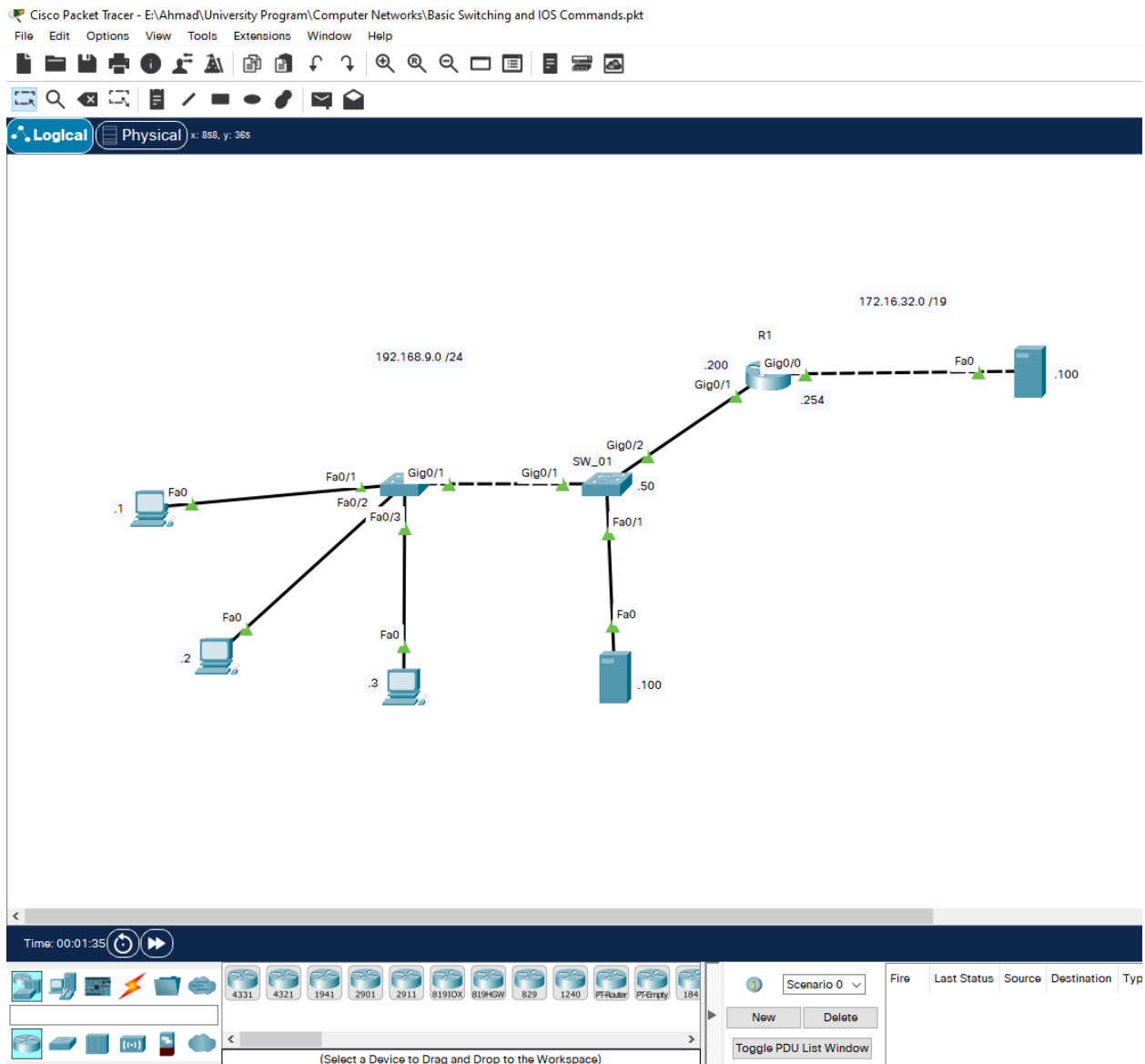




```
Switch>enable
```

```
Switch#config t
```

```
Switch(config)#
```

```
Switch(config)#int vlan 1
```

```
Switch(config-if)#ip add
```

```
Switch(config-if)#ip address 192.168.9.50 255.255.255.0
```

```
Switch(config-if)#no shutdown
```

```
%LINK-5-CHANGED: Interface Vlan1, changed state to up
```

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up
```

```
Switch(config-if)#exit
```

```
Switch(config)#ip default-gateway 192.168.9.200
```

```
Switch(config)#
Switch(config)#line con
Switch(config)#line console 0
Switch(config-line)#password conpass
Switch(config-line)#login
Switch(config-line)#exit
```

```
Switch(config)#
Switch(config)#line vty 0 ?
<1-15> Last Line number
<cr>
Switch(config)#line vty 0 15
Switch(config-line)#password telpass
Switch(config-line)#login
Switch(config-line)#
Switch(config-line)#exit
```

```
Switch(config)#
Switch(config)#hostname SW_01
SW_01(config)#
Ctrl + z
```

```
SW_01#
SW_01#show clock
*0:9:46.148 UTC Mon Mar 1 1993
SW_01#
SW_01#clock set 12:42:00 22 Nov 2022
SW_01#
SW_01#show clock
12:42:2.295 UTC Tue Nov 22 2022
```

```
SW_01#
SW_01#show mac-address-table
Mac Address Table
```

```
-----
Vlan  Mac Address      Type    Ports
----  -
1     000b.be2e.ee67      DYNAMIC Fa0/1
1     000d.bd9d.9c66      DYNAMIC Gig0/1
1     0060.707b.2719      DYNAMIC Gig0/1
1     00d0.ba0d.c902      DYNAMIC Gig0/2
SW_01#
```

SW\_01#sh flash:  
Directory of flash:/

1 -rw- 4670455 <no date> 2960-lanbasek9-mz.150-2.SE4.bin

64016384 bytes total (59345929 bytes free)

SW\_01#  
SW\_01#sh version  
Cisco IOS Software, C2960 Software (C2960-LANBASEK9-M), Version 15.0(2)SE4, RELEASE SOFTWARE (fc1)  
Technical Support: <http://www.cisco.com/techsupport>  
Copyright (c) 1986-2013 by Cisco Systems, Inc.  
Compiled Wed 26-Jun-13 02:49 by mnguyen

ROM: Bootstrap program is C2960 boot loader  
BOOTLDR: C2960 Boot Loader (C2960-HBOOT-M) Version 12.2(25r)FX, RELEASE SOFTWARE (fc4)

Switch uptime is 39 minutes  
System returned to ROM by power-on  
System image file is "flash:c2960-lanbasek9-mz.150-2.SE4.bin"

...  
...

| Switch | Ports | Model           | SW Version | SW Image          |
|--------|-------|-----------------|------------|-------------------|
| * 1    | 26    | WS-C2960-24TT-L | 15.0(2)SE4 | C2960-LANBASEK9-M |

Configuration register is 0xF

SW\_01#show ip interface brief

| Interface        | IP-Address | OK? | Method | Status | Protocol |
|------------------|------------|-----|--------|--------|----------|
| FastEthernet0/1  | unassigned | YES | manual | up     | up       |
| FastEthernet0/2  | unassigned | YES | manual | down   | down     |
| FastEthernet0/3  | unassigned | YES | manual | down   | down     |
| FastEthernet0/4  | unassigned | YES | manual | down   | down     |
| FastEthernet0/5  | unassigned | YES | manual | down   | down     |
| FastEthernet0/6  | unassigned | YES | manual | down   | down     |
| FastEthernet0/7  | unassigned | YES | manual | down   | down     |
| FastEthernet0/8  | unassigned | YES | manual | down   | down     |
| FastEthernet0/9  | unassigned | YES | manual | down   | down     |
| FastEthernet0/10 | unassigned | YES | manual | down   | down     |
| FastEthernet0/11 | unassigned | YES | manual | down   | down     |

|                    |              |                 |      |
|--------------------|--------------|-----------------|------|
| FastEthernet0/12   | unassigned   | YES manual down | down |
| FastEthernet0/13   | unassigned   | YES manual down | down |
| FastEthernet0/14   | unassigned   | YES manual down | down |
| FastEthernet0/15   | unassigned   | YES manual down | down |
| FastEthernet0/16   | unassigned   | YES manual down | down |
| FastEthernet0/17   | unassigned   | YES manual down | down |
| FastEthernet0/18   | unassigned   | YES manual down | down |
| FastEthernet0/19   | unassigned   | YES manual down | down |
| FastEthernet0/20   | unassigned   | YES manual down | down |
| FastEthernet0/21   | unassigned   | YES manual down | down |
| FastEthernet0/22   | unassigned   | YES manual down | down |
| FastEthernet0/23   | unassigned   | YES manual down | down |
| FastEthernet0/24   | unassigned   | YES manual down | down |
| GigabitEthernet0/1 | unassigned   | YES manual up   | up   |
| GigabitEthernet0/2 | unassigned   | YES manual up   | up   |
| Vlan1              | 192.168.9.50 | YES manual up   | up   |

SW\_01#

SW\_01#copy run start

Destination filename [startup-config]?

Building configuration...

[OK]

SW\_01#

=====

Router

=====

Router>enable

Router#

Router#conf t

Router#conf terminal

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

Router(config)#

Router(config)#hostname R1

R1(config)#

R1(config)#int g0/1

R1(config-if)#ip address 192.168.9.200 255.255.255.0

R1(config-if)#no shutdown

R1(config-if)#

%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

```
R1(config-if)#
R1(config-if)#int g0/0
R1(config-if)#ip address 172.16.32.254 255.255.224.0
R1(config-if)#no shutdown
R1(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
```

```
R1(config-if)#^Z
R1#
%SYS-5-CONFIG_I: Configured from console by console
```

```
R1#show ip int brief
Interface      IP-Address    OK? Method Status      Protocol
GigabitEthernet0/0  172.16.32.254 YES manual up          up
GigabitEthernet0/1  192.168.9.200 YES manual up          up
Vlan1            unassigned    YES unset  administratively down down
```

```
R1#
R1#sh ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
       D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
       N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
       E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
       i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
       * - candidate default, U - per-user static route, o - ODR
       P - periodic downloaded static route
```

Gateway of last resort is not set

```
172.16.0.0/16 is variably subnetted, 2 subnets, 2 masks
C    172.16.32.0/19 is directly connected, GigabitEthernet0/0
L    172.16.32.254/32 is directly connected, GigabitEthernet0/0
192.168.9.0/24 is variably subnetted, 2 subnets, 2 masks
C    192.168.9.0/24 is directly connected, GigabitEthernet0/1
L    192.168.9.200/32 is directly connected, GigabitEthernet0/1
```

```
R1#
R1#write
Building configuration...
[OK]
R1#
```