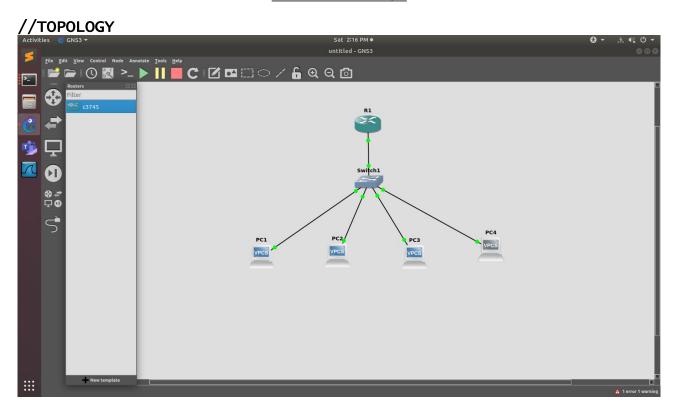
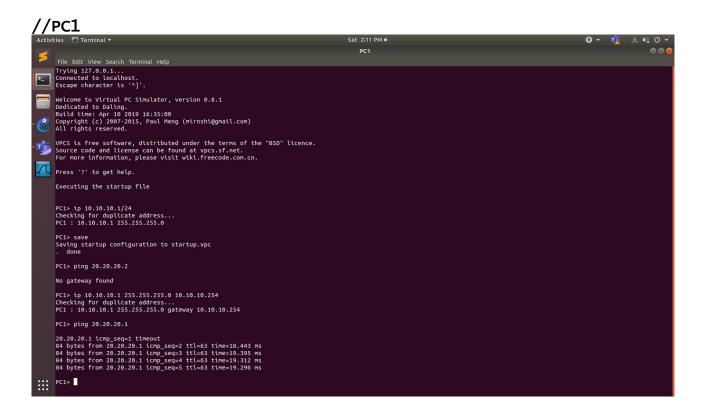
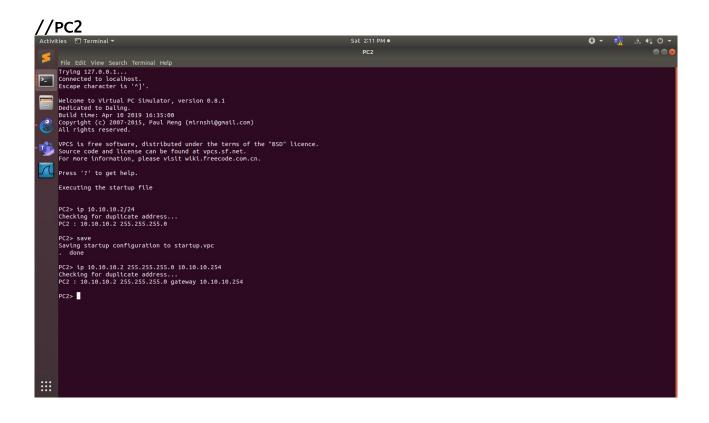
SEC: A CN LAB: 07 BATCH: A3

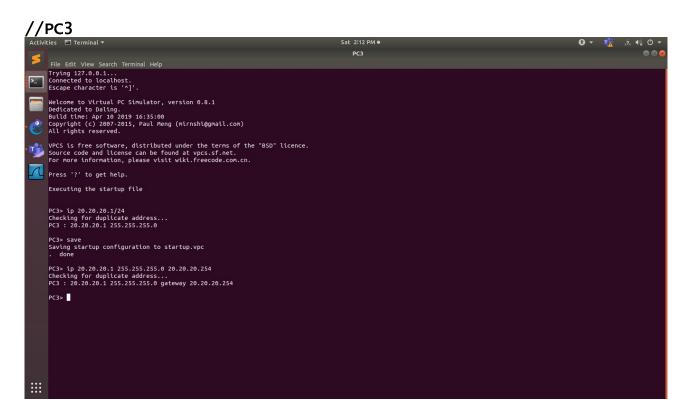
REG: 190905513 CSE 3113 NAME: MOHAMMAD DANISH EQBAL

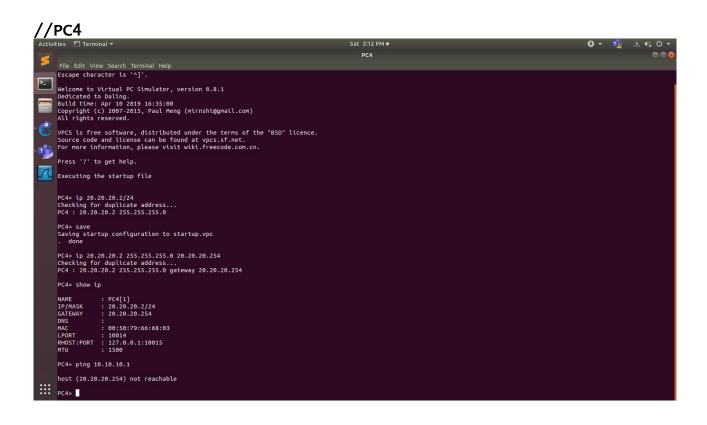
EXPERIMENT: 01

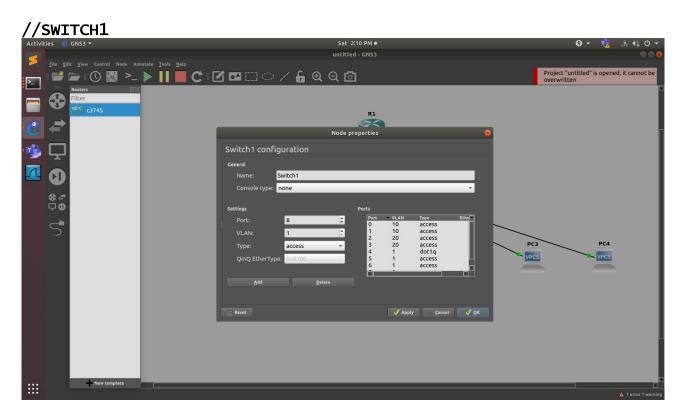












```
Activite: Direminal*

Set 200 PM*

File Edit View Search Terminal Help

Close Ols Software, 2708 Software (C1765-ADVENTERREISERS_SMA-N), Version 12.4(25d), RELEASE SOFTHARE (fc1)

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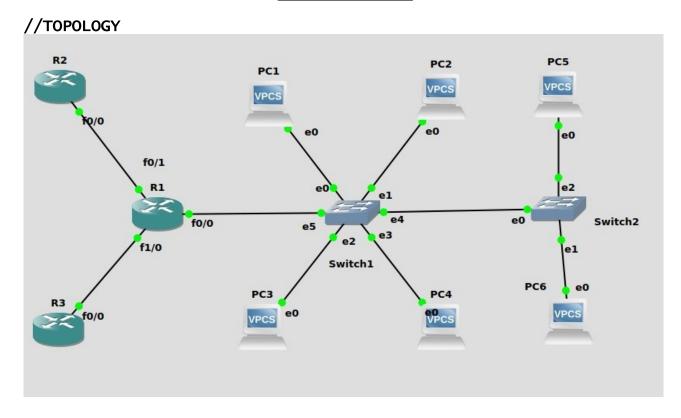
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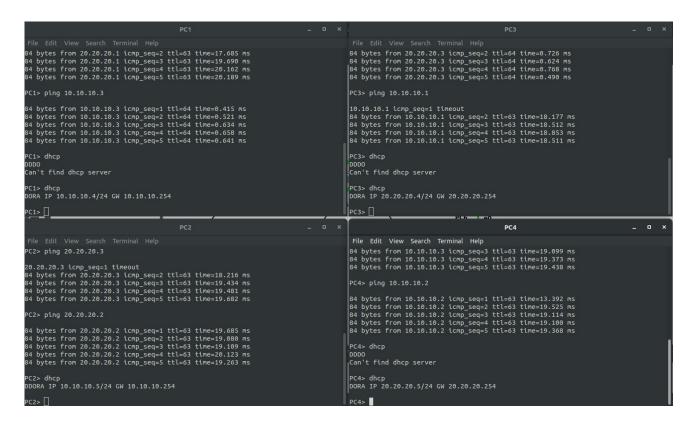
Compiled Med 18-Aug-10 08:18 by prod.rel.team
Copyright (c) 1986-298 by Cisco Systems, Inc.

Compiled Med 18-Aug-10 08:18 by Inc. SchakeDoi Interface FastEthernet8/0, Contained to administratively down
Mar 1 00:00:004.887 bit.Mis-S-CHAMCED: Interface Serially), changed state to administratively down
Mar 1 00:00:004.887 bit.Mis-S-CHAMCED: Interface Serially), changed state to down
Mar 1 00:00:004.887 bit.Mis-S-CHAMCED: Interface Serially), changed state to down
Mar 1 00:00:005.887 bit.Mis-S-CHAMCED: Interface Serially), changed state to down
Mar 1 00:00:005.887 bit.MisPROTO-S-UPDOMN: Line protocol on Interface Serially), changed state to down
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Mar 1 00:00:005.887 bit.MisPROTO-S-UPDOMN: Line protocol on Interface Serially), changed state to down
Mar 1 00:00:005.887 bit.MisPROTO-S-UPDOMN: Line protocol on Interface Serially), changed state to up
MisConfig-VipProt Solution
Misconfig-VipPro
```

EXPERIMENT: 02



//DHCP



```
R2#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R2(config)#int f0/0
R2(config-if)#ip addr 50.50.50.1 255.255.255.0
R2(config-if)#ip dhcp pool lan10
R2(dhcp-config)#network 10.10.10.0 255.255.2550
% Invalid input detected at '^' marker.
R2(dhcp-config)#network 10.10.10.0 255.255.255.0
R2(dhcp-config)#default
R2(dhcp-config)#default-router 10.10.10.254
R2(dhcp-config)#dns
R2(dhcp-config)#dns-server 60.60.60.1
R2(dhcp-config)#no shut
% Invalid input detected at '^' marker.
R2(dhcp-config)#exit
R2(config)#ip dhcp pool lan20
R2(dhcp-config)#network 20.20.20.0 255.255.255.0
R2(dhcp-config)#default-router 20.20.20.254
R2(dhcp-config)#dns-server 60.60.60.1
R2(dhcp-config)#exit
R2(config)#no shut
6 Incomplete command.
R2(config)#do wr
Building configuration...
[OK]
R2(config)#ip route 10.10.10.0 50.50.50.2
% Incomplete command.
R2(config)#ip route 10.10.10.0 255.255.255.0 50.50.50.2
R2(config)#ip route 20.20.20.0 255.255.255.0 50.50.50.2
R2(config)#ip route 30.30.30.0 255.255.255.0 50.50.50.2
R2(config)#ip route 60.60.60.0 255.255.255.0 50.50.50.2
R2(config)#do wr
 Welcome to Virtual PC Simulator, version 0.8.2
Dedicated to Daling.
Build time: Aug 23 2021 11:15:00
Copyright (c) 2007-2015, Paul Meng (mirnshi@gmail.com)
All rights reserved.
                                                                                             PC5
                                                                               PC2
                                                                                                    PC6
                                                                                                                                _ _ ×
 VPCS is free software, distributed under the terms of the "BSD" licence.
Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.
                                                                  Welcome to Virtual PC Simulator, version 0.8.2
Dedicated to Daling.
Build time: Aug 23 2021 11:15:00
Copyright (c) 2007-2015, Paul Meng (mirnshi@gmail.com)
All rights reserved.
  Executing the startup file
                                                                  VPCS is free software, distributed under the terms of the "BSD" licence.
Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.
 PC5> ip 10.10.10.3 255.255.255.0 10.10.10.254
Checking for duplicate address...
PC5 : 10.10.10.3 255.255.255.0 gateway 10.10.10.254
                                                                  Press '?' to get help
 PC5> dhcp
DDORA IP 10.10.10.6/24 GW 10.10.10.254
                                                                  Executing the startup file
```

PC6> ip 20.20.20.3 255.255.255.0 20.20.20.254 Checking for duplicate address... PC6 : 20.20.20.3 255.255.255.0 gateway 20.20.20.254

PC6> dhcp DDORA IP 20.20.20.6/24 GW 20.20.20.254

```
//DNS
```

```
Compiled Wed 18-Aug-10 08:18 by prod_rel_team

*Mar 1 00:00:04.095: %SNMP-5-COLDSTART: SNMP agent on host R3 is undergoing a cold start

*Mar 1 00:00:04.111: %LINEPROTO-5-UPDOWN: Line protocol on Interface IPv6-mpls, changed state to up

*Mar 1 00:00:04.715: %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down

*Mar 1 00:00:04.795: %LINK-5-CHANGED: Interface FastEthernet0/1, changed state to administratively down

*Mar 1 00:00:05.715: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down

*Mar 1 00:00:05.795: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
 Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#int f0/0
R3(config-if)#ip addr 60.60.60.1 255.255.255.0
R3(config-if)#no shuw
 % Invalid input detected at '^' marker.
R3(config-if)#no shut
R3(config-if)#exit
R3(config)#

*Mar 1 00:08:23.415: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state to up

*Mar 1 00:08:24.415: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
R3(config)#ip dn
R3(config)#ip dns server
R3(config)#ip host pc1.com 10.10.10.4
R3(config)#ip host pc2.com 10.10.10.5
R3(config)#ip host pc3.com 20.20.20.4
 R3(config)#ip host pc4.com 20.20.20.5
 R3(config)#end
R3#wr
Building configuration...
[OK]
R3#
 *Маг
           1 00:14:45.319: %SYS-5-CONFIG_I: Configured from console by console
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#ip route 10.10.10.0 255.255.255.0 60.60.60.2
R3(config)#ip route 20.20.20.0 255.255.255.0 60.60.60.2
R3(config)#ip route 50.50.50.0 255.255.255.0 60.60.60.2
R3(config)#ip route 30.30.30.0 255.255.255.0 60.60.60.2
R3(config)#end
R3#wr
Building configuration...
          1 00:16:25.403: %SYS-5-CONFIG_I: Configured from console by console[OK]
```

PC1 X	PC3 X
File Edit View Search Terminal Help	File Edit View Search Terminal Help
Cannot resolve pc3.com	DORA IP 20.20.20.4/24 GW 20.20.20.254
PCI> ping pc3.com pc3.com resolved to 20.20.20.4	PC3> ping pc1.com pc1.com resolved to 10.10.10.4
	84 bytes from 10.10.10.4 icmp_seq=1 ttl=63 time=19.631 ms 84 bytes from 10.10.10.4 icmp_seq=2 ttl=63 time=19.825 ms 84 bytes from 10.10.10.4 icmp_seq=3 ttl=63 time=19.441 ms 84 bytes from 10.10.10.4 icmp_seq=4 ttl=63 time=19.269 ms 84 bytes from 10.10.10.4 icmp_seq=5 ttl=63 time=19.209 ms
PCI> ping pc2.com pc2.com resolved to 10.10.10.5	PC3> ping pc4.com pc4.com resolved to 20.20.20.5
84 bytes from 10.10.10.5 icmp_seq=3 ttl=64 time=0.427 ms 84 bytes from 10.10.10.5 icmp_seq=4 ttl=64 time=0.471 ms	84 bytes from 20.20.20.5 icmp_seq=1 ttl=64 time=0.509 ms 84 bytes from 20.20.20.5 icmp_seq=2 ttl=64 time=0.541 ms 84 bytes from 20.20.20.5 icmp_seq=3 ttl=64 time=0.281 ms 84 bytes from 20.20.20.5 icmp_seq=4 ttl=64 time=0.437 ms 84 bytes from 20.20.20.5 icmp_seq=5 ttl=64 time=0.406 ms
PC1> []	PC3>
PC2 X	PC4 X
File Edit View Search Terminal Help	File Edit View Search Terminal Help
PC2> ping pc4.com pc4.com resolved to 20.20.20.5	PC4> ping pc3.com pc3.com resolved to 20.20.20.4
	84 bytes from 20.20.20.4 icmp_seq=1 ttl=64 time=0.279 ms 84 bytes from 20.20.20.4 icmp_seq=2 ttl=64 time=0.590 ms 84 bytes from 20.20.20.4 icmp_seq=3 ttl=64 time=0.612 ms 84 bytes from 20.20.20.4 icmp_seq=4 ttl=64 time=0.496 ms 84 bytes from 20.20.20.4 icmp_seq=5 ttl=64 time=0.635 ms
PC2> ping pc1.com pc1.com resolved to 10.10.10.4	PC4> ping pc1.com pc1.com resolved to 10.10.10.4
84 bytes from 10.10.10.4 icmp_seq=3 ttl=64 time=0.431 ms 84 bytes from 10.10.10.4 icmp_seq=4 ttl=64 time=0.613 ms 84 bytes from 10.10.10.4 icmp_seq=5 ttl=64 time=0.607 ms	84 bytes from 10.10.10.4 icmp_seq=1 ttl=63 time=20.056 ms 84 bytes from 10.10.10.4 icmp_seq=2 ttl=63 time=19.354 ms 84 bytes from 10.10.10.4 icmp_seq=3 ttl=63 time=19.465 ms 84 bytes from 10.10.10.4 icmp_seq=4 ttl=63 time=19.476 ms 84 bytes from 10.10.10.4 icmp_seq=5 ttl=63 time=19.464 ms