

CN Lab 4

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Roll No: 11C

Batch 5

Reg No. : 180905048

Lab CN

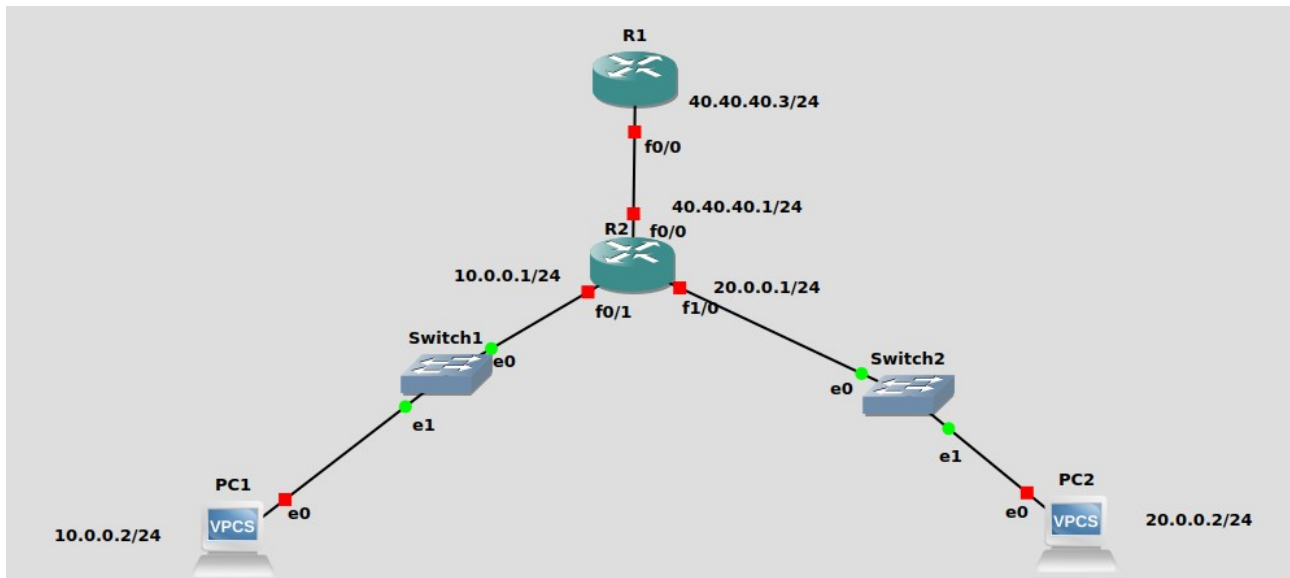
Q 7.4



No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	c4:01:15:1a:00:00	c4:01:15:1a:00:00	LOOP	60	Reply
2	0.070937	c4:02:15:29:00:00	c4:02:15:29:00:00	LOOP	60	Reply
3	3.424573	c4:01:15:1a:00:00	Broadcast	ARP	60	Who has 10.10.10.2? Tell 10.10.10.1
4	3.444896	c4:02:15:29:00:00	c4:01:15:1a:00:00	ARP	60	10.10.10.2 is at c4:02:15:29:00:00
5	4.518749	c4:02:15:29:00:00	CDP/VTP/DP/PAgP/UDLD	CDP	363	Device ID: R2 Port ID: FastEthernet0/0
6	9.174646	10.10.10.1	10.10.10.2	DNS	75	Standard query 0xf60c A loopback.R2.com
7	9.228263	10.10.10.2	10.10.10.1	DNS	91	Standard query response 0xf60c A loopback.R2.com A 2.2.2.2
8	9.245760	10.10.10.1	2.2.2.2	ICMP	114	Echo (ping) request id=0x0000, seq=0/0, ttl=255 (reply in 9)
9	9.248507	2.2.2.2	10.10.10.1	ICMP	114	Echo (ping) reply id=0x0000, seq=0/0, ttl=255 (request in 8)
10	9.256047	10.10.10.1	2.2.2.2	ICMP	114	Echo (ping) request id=0x0000, seq=1/256, ttl=255 (reply in 11)
11	9.258677	2.2.2.2	10.10.10.1	ICMP	114	Echo (ping) reply id=0x0000, seq=1/256, ttl=255 (request in 10)
12	9.266282	10.10.10.1	2.2.2.2	ICMP	114	Echo (ping) request id=0x0000, seq=2/512, ttl=255 (reply in 13)
13	9.268756	2.2.2.2	10.10.10.1	ICMP	114	Echo (ping) reply id=0x0000, seq=2/512, ttl=255 (request in 12)
14	10.000010	c4:02:15:29:00:00	c4:02:15:29:00:00	LOOP	60	Reply
15	12.338885	c4:01:15:1a:00:00	c4:01:15:1a:00:00	LOOP	60	Reply
16	20.054418	c4:02:15:29:00:00	c4:02:15:29:00:00	LOOP	60	Reply
17	22.150816	c4:01:15:1a:00:00	c4:01:15:1a:00:00	LOOP	60	Reply
18	30.051796	c4:02:15:29:00:00	c4:02:15:29:00:00	LOOP	60	Reply
19	32.088110	c4:01:15:1a:00:00	c4:01:15:1a:00:00	LOOP	60	Reply
20	40.082651	c4:02:15:29:00:00	c4:02:15:29:00:00	LOOP	60	Reply
21	42.447321	c4:01:15:1a:00:00	c4:01:15:1a:00:00	LOOP	60	Reply
22	46.447328	c4:01:15:1a:00:00	c4:01:15:1a:00:00	LOOP	60	Reply
23	50.074586	c4:02:15:29:00:00	c4:02:15:29:00:00	LOOP	60	Reply

Wireshark - Packet 7 - Standard Input	
Frame 7: 91 bytes on wire (728 bits), 91 bytes captured (728 bits) on interface 0	
Ethernet II, Src: c4:02:15:29:00:00 (c4:02:15:29:00:00), Dst: c4:01:15:1a:00:00 (c4:01:15:1a:00:00)	
Internet Protocol Version 4, Src: 10.10.10.2, Dst: 10.10.10.1	
User Datagram Protocol, Src Port: 53, Dst Port: 54698	
Domain Name System (response)	
Transaction ID: 0xf60c	
Flags: 0x8180 Standard query response, No error	
Questions: 1	
Answer RRs: 1	
Authority RRs: 0	
Additional RRs: 0	
Queries	
Answers	
loopback.R2.com: type A, class IN, addr 2.2.2.2	
[Request in: 6]	
[Time: 0.053617000 seconds]	
0000 c4 01 15 1a 00 00 c4 02 15 29 00 00 08 00 45 00E
0010 00 4d 00 00 00 00 ff 11 93 89 0a 0a 0a 02 0a 0aM
0020 0a 01 00 35 d5 aa 00 39 ed 8b f6 0c 81 80 00 015
0030 00 01 00 00 00 00 08 6c 6f 6f 70 62 61 63 6b 02l oopback
0040 52 32 03 63 6f 6d 00 00 01 00 01 c0 9c 00 01 00R2 com
0050 01 00 00 00 0a 0a 04 02 02 02 02

Q 7.5



File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

Apply a display filter ... <Ctrl-/>

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.10.10.2	40.40.40.2	DNS	67	Standard query 0xafec A pc4.com
2	0.012338	40.40.40.2	10.10.10.2	DNS	83	Standard query response 0xafec A pc4.com A 30.30.30.2
3	0.012894	10.10.10.2	30.30.30.2	ICMP	98	Echo (ping) request id=0xd025, seq=1/256, ttl=64 (reply in 4)
4	0.032600	30.30.30.2	10.10.10.2	ICMP	98	Echo (ping) reply id=0xd025, seq=1/256, ttl=63 (request in 3)
5	1.033236	10.10.10.2	30.30.30.2	ICMP	98	Echo (ping) request id=0xd125, seq=2/512, ttl=64 (reply in 6)
6	1.052913	30.30.30.2	10.10.10.2	ICMP	98	Echo (ping) reply id=0xd125, seq=2/512, ttl=63 (request in 5)
7	2.054134	10.10.10.2	30.30.30.2	ICMP	98	Echo (ping) request id=0xd225, seq=3/768, ttl=64 (reply in 8)
8	2.073112	30.30.30.2	10.10.10.2	ICMP	98	Echo (ping) reply id=0xd225, seq=3/768, ttl=63 (request in 7)
9	3.073981	10.10.10.2	30.30.30.2	ICMP	98	Echo (ping) request id=0xd325, seq=4/1024, ttl=64 (reply in 10)
10	3.092861	30.30.30.2	10.10.10.2	ICMP	98	Echo (ping) reply id=0xd325, seq=4/1024, ttl=63 (request in 9)
11	4.093670	10.10.10.2	30.30.30.2	ICMP	98	Echo (ping) request id=0xd425, seq=5/2048, ttl=64 (reply in 11)
12	4.112377	30.30.30.2	10.10.10.2	ICMP	98	Echo (ping) reply id=0xd425, seq=5/2048, ttl=63 (request in 11)
13	4.777989	c4:02:16:f1:00:00	CDP/VTP/DTP/PagP/UDLD	CDP	368	Device ID: R

PC1

```

PC1> clear?
Bad command: "clear?". Use ? for help.

PC1> ?clear
Bad command: "?clear". Use ? for help.

PC1> ping pc4.com
pc4.com resolved to 30.30.30.2
pc4.com icmp_seq=1 timeout
pc4.com icmp_seq=2 timeout
84 bytes from 30.30.30.2 icmp_seq=3 ttl=63 time=11.741 ms
84 bytes from 30.30.30.2 icmp_seq=4 ttl=63 time=19.239 ms
84 bytes from 30.30.30.2 icmp_seq=5 ttl=63 time=19.087 ms

PC1> ping pc4.com
pc4.com resolved to 30.30.30.2
84 bytes from 30.30.30.2 icmp_seq=1 ttl=63 time=20.053 ms
84 bytes from 30.30.30.2 icmp_seq=2 ttl=63 time=20.018 ms
84 bytes from 30.30.30.2 icmp_seq=3 ttl=63 time=19.314 ms
84 bytes from 30.30.30.2 icmp_seq=4 ttl=63 time=19.237 ms
84 bytes from 30.30.30.2 icmp_seq=5 ttl=63 time=19.017 ms

PC1>
  
```

```

PC1> clear?
Bad command: "clear?". Use ? for help.

PC1> ?clear
Bad command: "?clear". Use ? for help.

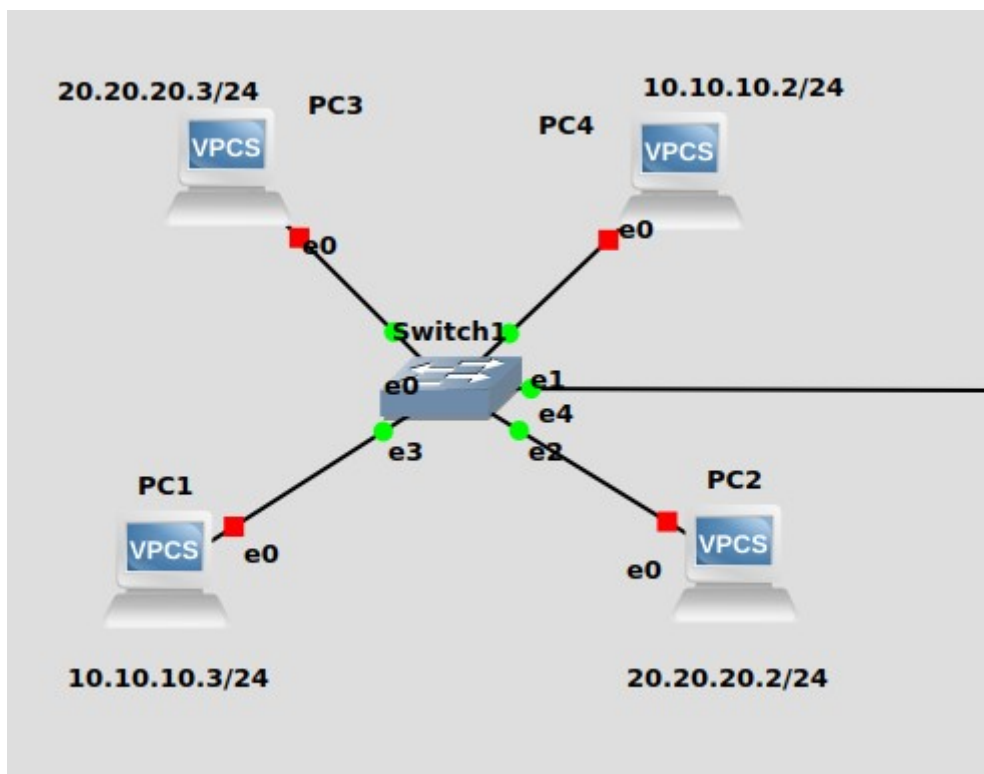
PC1> ping pc4.com
pc4.com resolved to 30.30.30.2
pc4.com icmp_seq=1 timeout
pc4.com icmp_seq=2 timeout
84 bytes from 30.30.30.2 icmp_seq=3 ttl=63 time=11.741 ms
84 bytes from 30.30.30.2 icmp_seq=4 ttl=63 time=19.239 ms
84 bytes from 30.30.30.2 icmp_seq=5 ttl=63 time=19.087 ms

PC1> ping pc4.com
pc4.com resolved to 30.30.30.2
84 bytes from 30.30.30.2 icmp_seq=1 ttl=63 time=20.053 ms
84 bytes from 30.30.30.2 icmp_seq=2 ttl=63 time=20.018 ms
84 bytes from 30.30.30.2 icmp_seq=3 ttl=63 time=19.314 ms
84 bytes from 30.30.30.2 icmp_seq=4 ttl=63 time=19.237 ms
84 bytes from 30.30.30.2 icmp_seq=5 ttl=63 time=19.017 ms

PC1> 

```

Q 8.1



```
PC1
File Edit View Search Terminal Help
Trying 127.0.0.1...
Connected to localhost.
Escape character is '^]'.

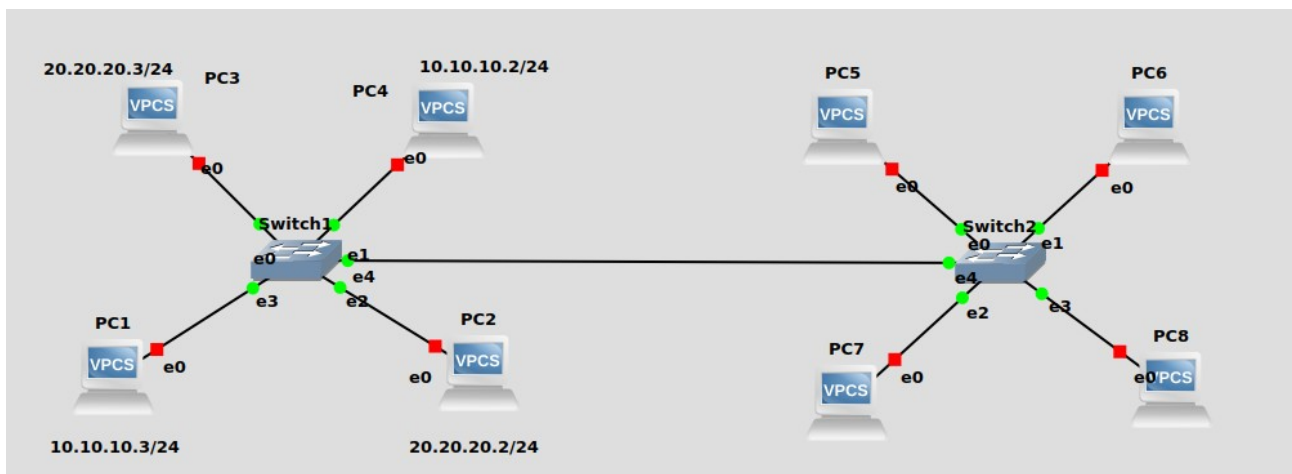
PC1> ping 20.20.20.2
No gateway found

PC1> ip 10.10.10.2/24 10.10.10.1
Checking for duplicate address...
PC1 : 10.10.10.2 255.255.255.0 gateway 10.10.10.1

PC1> ping 20.20.20.2
20.20.20.2 icmp_seq=1 timeout
84 bytes from 20.20.20.2 icmp_seq=2 ttl=63 time=15.637 ms
84 bytes from 20.20.20.2 icmp_seq=3 ttl=63 time=27.833 ms
84 bytes from 20.20.20.2 icmp_seq=4 ttl=63 time=18.226 ms
84 bytes from 20.20.20.2 icmp_seq=5 ttl=63 time=17.240 ms

PC1> 
```

Q 8.2



```
PC6> ip 10.10.10.5/25 10.10.10.1
Checking for duplicate address...
PC1 : 10.10.10.5 255.255.255.128 gateway 10.10.10.1

PC6> show ip

NAME           : PC6[1]
IP/MASK        : 10.10.10.5/25
GATEWAY        : 10.10.10.1
DNS            :
MAC           : 00:50:79:66:68:05
LPORT         : 10014
RHOST:PORT     : 127.0.0.1:10015
MTU           : 1500

PC6> ping 20.20.20.3
20.20.20.3 icmp_seq=1 timeout
84 bytes from 20.20.20.3 icmp_seq=2 ttl=63 time=21.976 ms
84 bytes from 20.20.20.3 icmp_seq=3 ttl=63 time=16.651 ms
84 bytes from 20.20.20.3 icmp_seq=4 ttl=63 time=16.507 ms
84 bytes from 20.20.20.3 icmp_seq=5 ttl=63 time=16.471 ms

PC6> 
```

[illegible]