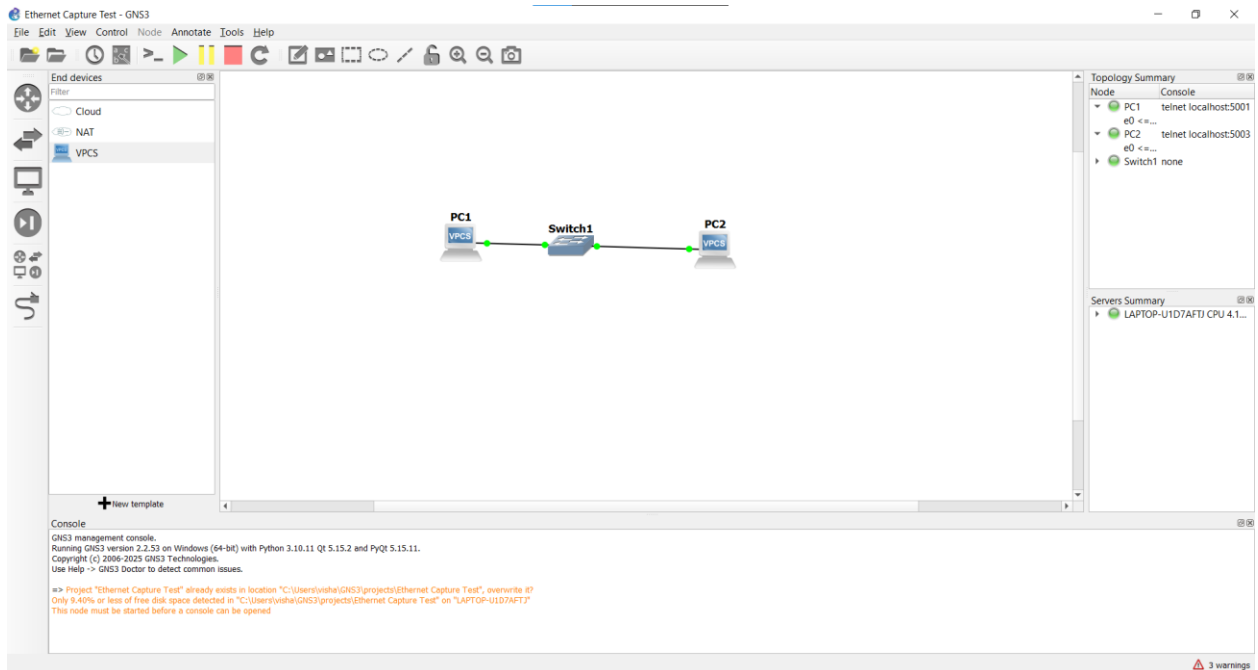
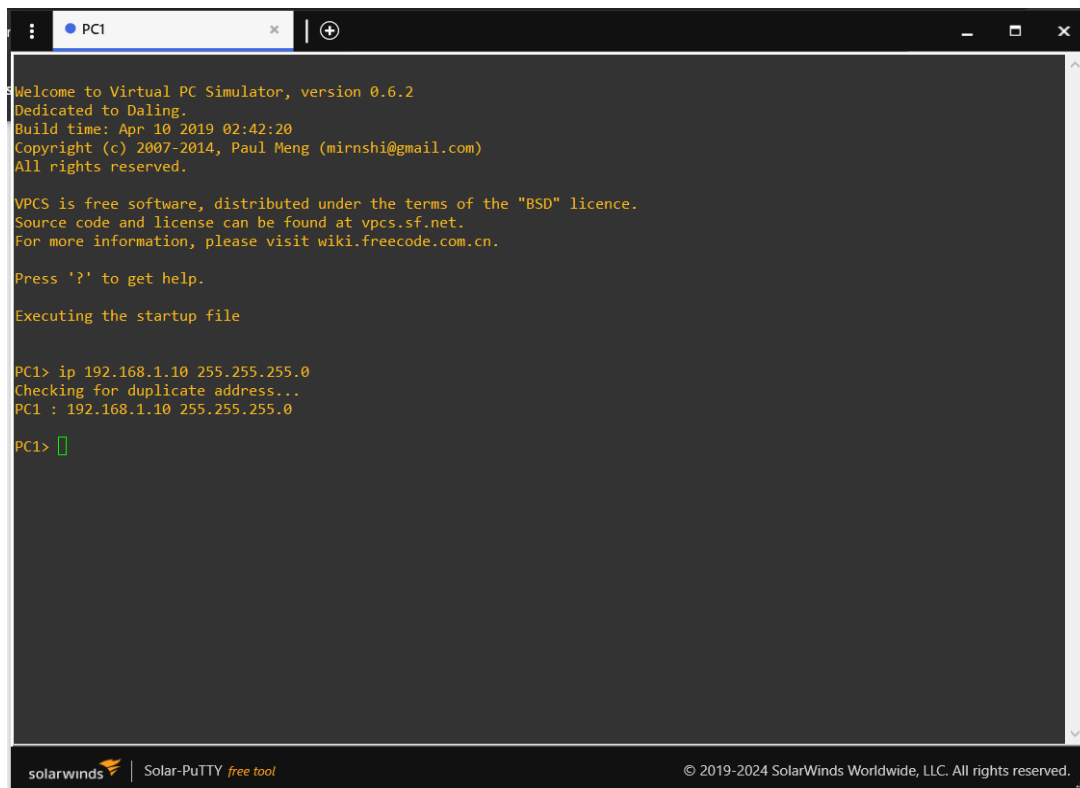


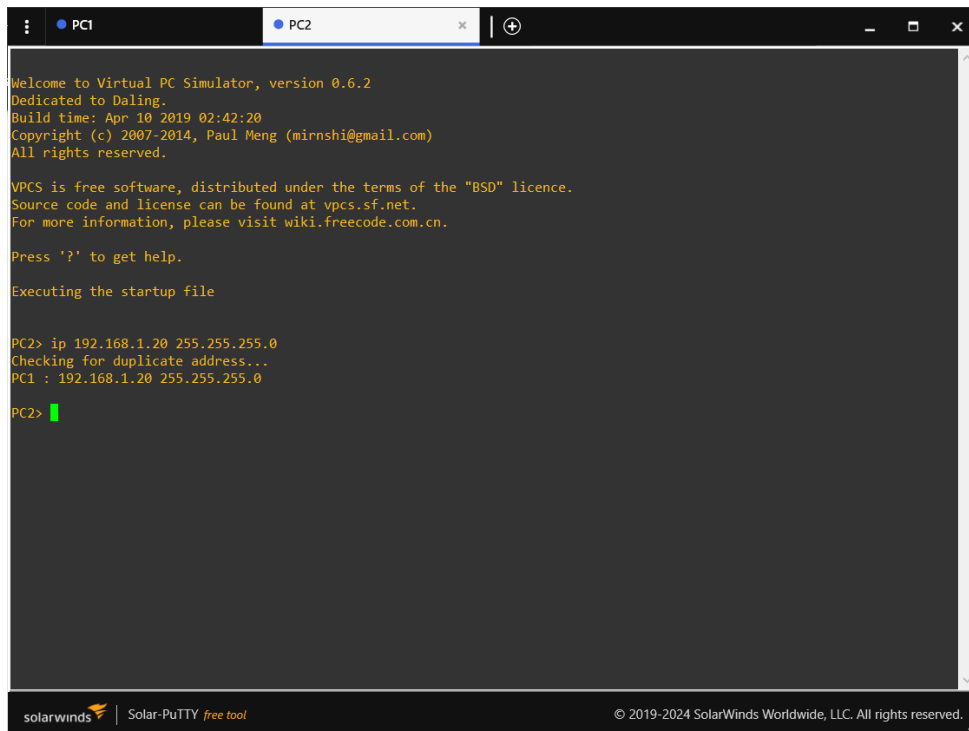
## Setup



## PC1



## PC2



```
Welcome to Virtual PC Simulator, version 0.6.2
Dedicated to Daling.
Build time: Apr 10 2019 02:42:20
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Source code and license can be found at vpcs.sf.net.
For more information, please visit wiki.freecode.com.cn.

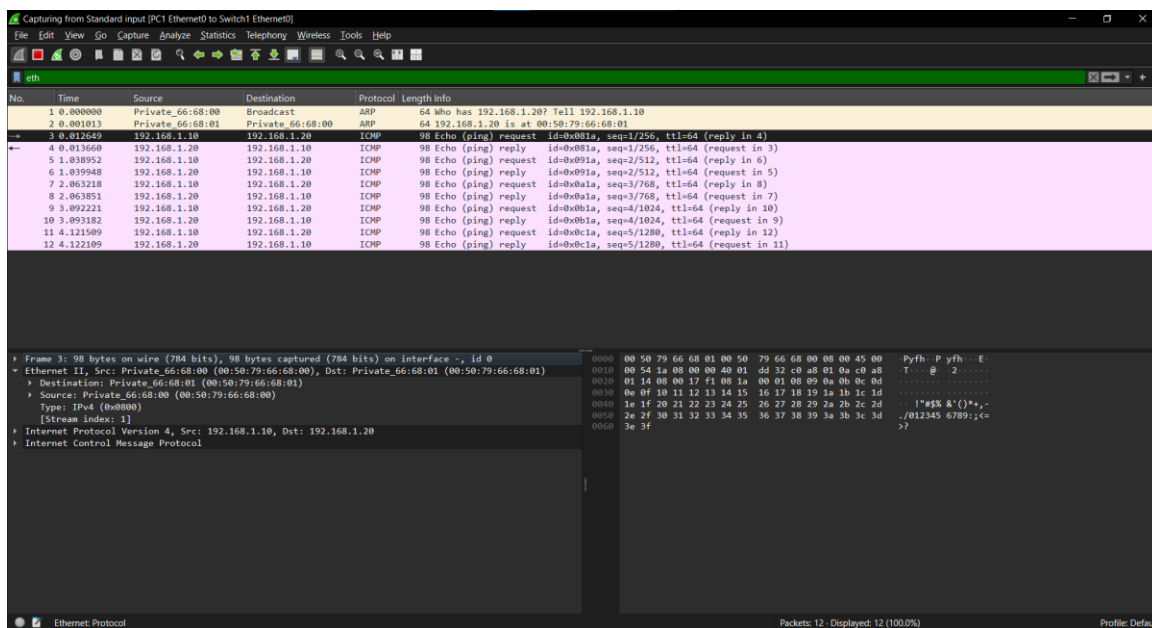
Press '?' to get help.

Executing the startup file

PC2> ip 192.168.1.20 255.255.255.0
Checking for duplicate address...
PC1 : 192.168.1.20 255.255.255.0

PC2> 
```

## Wireshark



No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	Private_66:68:00	Broadcast	ARP	64	Who has 192.168.1.20? Tell 192.168.1.10
2	0.001013	Private_66:68:01	Private_66:68:00	ARP	64	192.168.1.20 is at 00:50:79:66:68:01
3	0.012449	192.168.1.20	192.168.1.10	ICMP	98	Echo (ping) request id=0x0b1a, seq=1/256, ttl=64 (reply in 4)
4	0.013668	192.168.1.20	192.168.1.10	ICMP	98	Echo (ping) reply id=0x0b1a, seq=1/256, ttl=64 (request in 3)
5	1.038952	192.168.1.10	192.168.1.20	ICMP	98	Echo (ping) request id=0x091a, seq=2/512, ttl=64 (reply in 6)
6	1.039948	192.168.1.20	192.168.1.10	ICMP	98	Echo (ping) reply id=0x091a, seq=2/512, ttl=64 (request in 5)
7	2.063218	192.168.1.10	192.168.1.20	ICMP	98	Echo (ping) request id=0x0a1a, seq=3/768, ttl=64 (reply in 8)
8	2.063851	192.168.1.20	192.168.1.10	ICMP	98	Echo (ping) reply id=0x0a1a, seq=3/768, ttl=64 (request in 7)
9	3.092221	192.168.1.10	192.168.1.20	ICMP	98	Echo (ping) request id=0x0b1a, seq=4/1024, ttl=64 (reply in 10)
10	3.093182	192.168.1.20	192.168.1.10	ICMP	98	Echo (ping) reply id=0x0b1a, seq=4/1024, ttl=64 (request in 9)
11	4.121509	192.168.1.10	192.168.1.20	ICMP	98	Echo (ping) request id=0x0c1a, seq=5/1280, ttl=64 (reply in 12)
12	4.122189	192.168.1.20	192.168.1.10	ICMP	98	Echo (ping) reply id=0x0c1a, seq=5/1280, ttl=64 (request in 11)

Frame 3: 98 bytes on wire (784 bits), 98 bytes captured (784 bits) on interface -, id 0  
Ethernet II, Src: Private\_66:68:00 (00:50:79:66:68:00), Dst: Private\_66:68:01 (00:50:79:66:68:01)  
Destination: Private\_66:68:01 (00:50:79:66:68:01)  
Source: Private\_66:68:00 (00:50:79:66:68:00)  
Type: IPv4 (0x0800)  
[Stream index: 1]  
Internet Protocol Version 4, Src: 192.168.1.10, Dst: 192.168.1.20  
Internet Control Message Protocol

0000 00 50 79 66 68 01 00 50 79 66 68 00 00 00 45 00 Pyth P yth . E.  
0010 00 54 1a 08 00 00 40 01 dd 32 c0 a8 01 0a c0 a8 -T @ 2 ....  
0020 01 14 08 00 17 f1 08 1a 00 01 08 09 0a 0b 0c 0d .....  
0030 0a 0f 10 11 12 13 14 15 16 17 18 19 1a 1b 1c 1d .....  
0040 1a 1f 20 21 22 23 24 25 26 27 28 29 2a 2b 2c 2d .....!\*%\$&'()\*+,-.  
0050 2a 2f 30 31 32 33 34 35 36 37 38 39 3a 3b 3c 3d ..012345 6789;=<~?  
0060 3e 3f

▼ Internet Protocol Version 4, Src: 192.168.1.20, Dst: 192.168.1.10

0100 .... = Version: 4

.... 0101 = Header Length: 20 bytes (5)

▸ Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

Total Length: 84

Identification: 0x1a0b (6667)

▸ 000. .... = Flags: 0x0

...0 0000 0000 0000 = Fragment Offset: 0

Time to Live: 64

Protocol: ICMP (1)

Header Checksum: 0xdd2f [validation disabled]

[Header checksum status: Unverified]

Source Address: 192.168.1.20

Destination Address: 192.168.1.10

[Stream index: 0]

▼ Internet Control Message Protocol

Type: 0 (Echo (ping) reply)

Code: 0

Checksum: 0x1cee [correct]

[Checksum Status: Good]

Identifier (BE): 2842 (0x0b1a)

Identifier (LE): 6667 (0x1a0b)