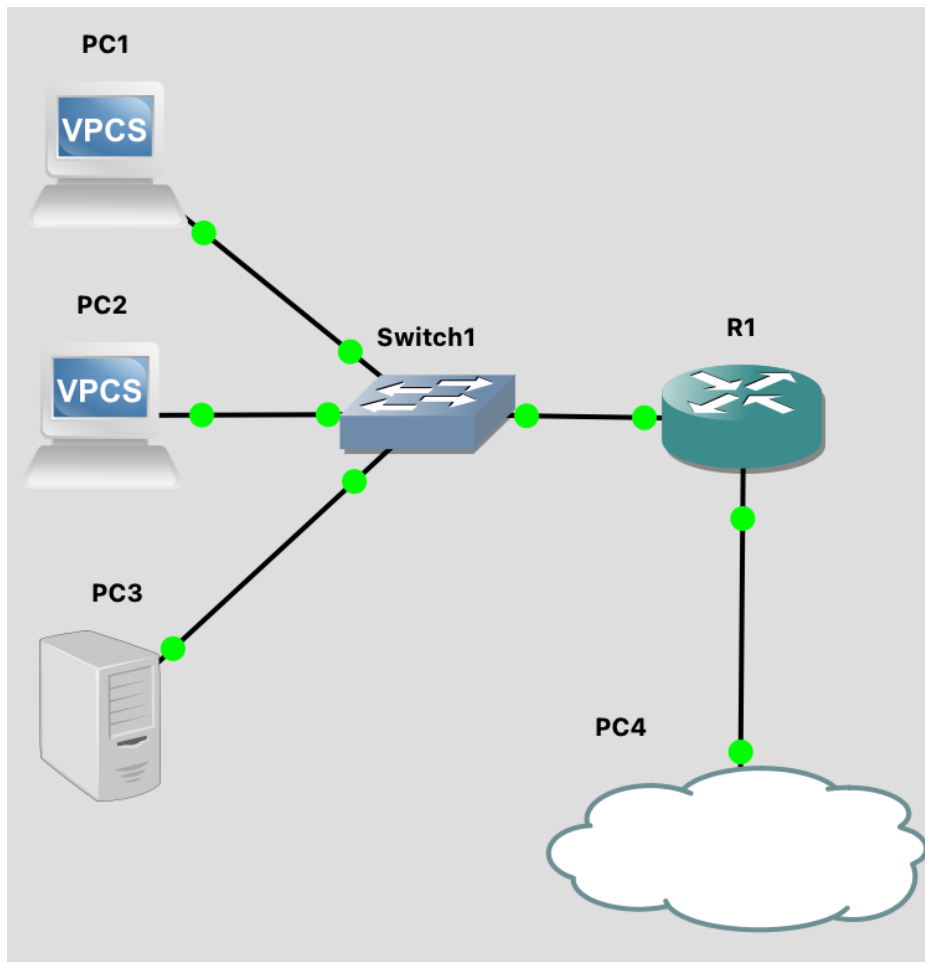


F29DC Lab 4

Part 1:

Proof of Completion:



Part 2:

Proof of Completion:

```
Copyright (c) 1986-2010 by Cisco Systems, Inc.
Compiled Wed 18-Aug-10 05:35 by prod_rel_team
*Mar 1 00:00:04
R1#479: %SNMP-5-COLDSTART: SNMP agent on host R1 is undergoing a cold start
*Mar 1 00:00:05.319: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet
et0/1, changed state to down
*Mar 1 00:00:05.323: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet
et0/0, changed state to down
R1#enable
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#domain-name f29dc.hw.ac.uk
^
% Invalid input detected at '^' marker.

R1(config)#interface fastEthernet0/0
R1(config-if)#interface fastEthernet 0/0
R1(config-if)#ip address 192.168.1.254 255.255.255.0
R1(config-if)#ip dhcp pool LAN
R1(dhcp-config)#network 192.168.1.0 255.255.255.0
R1(dhcp-config)#domain-name f29dc.hw.ac.uk
R1(dhcp-config)#dns-server 1.1.1.1
R1(dhcp-config)#default-router 192.168.1.254
R1(dhcp-config)#

lucca - PC1 - telnet localhost 5001 - 80x24
*[[[A[ADpcode: 1 (REQUEST)
Client IP Address: 0.0.0.0
Your IP Address: 0.0.0.0
Server IP Address: 0.0.0.0
Gateway IP Address: 0.0.0.0
Client MAC Address: 00:50:79:66:68:00
Option 53: Message Type = Discover
Option 12: Host Name = PC1
Option 61: Client Identifier = Hardware Type=Ethernet MAC Address = 00:50:79:66:
68:00

^R
^C
Can't find dhcp server
PC1> dhcp -r
DDO
Can't find dhcp server

PC1>
PC1> dhcp -r
DDORA IP 192.168.1.1/24 GW 192.168.1.254
PC1>
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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> dhcp -r
DDORA IP 192.168.1.2/24 GW 192.168.1.254
PC2>

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Press '?' to get help.

Executing the startup file

PC3> ip 192.168.1.201
Checking for duplicate address...
PC3 : 192.168.1.201 255.255.255.0

lucca - R1 - telnet localhost 5007 - 80x24
Translating "noshutdown"
Translating "noshutdown"
% Unknown command or computer name, or unable to find computer address
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#no shutdown
% Incomplete command.

R1(config)#interface fastEthernet 0/0
R1(config-if)#no shutdown
R1(config-if)#interface fastEthernet 0/1
R1(config-if)#
*Mar 1 01:42:48.959: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
o up
*Mar 1 01:42:49.959: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to up
R1(config-if)#no shutdown
R1(config-if)#
*Mar 1 01:42:55.955: %LINK-3-UPDOWN: Interface FastEthernet0/1, changed state t
o up
*Mar 1 01:42:56.955: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/1, changed state to up
R1(config-if)#

lucca - PC4 - telnet localhost 5008 - 80x24
Trying ::1...
Connected to localhost.
Escape character is '^J'.

Welcome to Virtual PC Simulator, version 0.8.2
Dedicated to Daling.
Build time: Aug 23 2021 03:18:07
Copyright (c) 2007-2015, Paul Meng (mirnshi@gmail.com)
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Press '?' to get help.

Executing the startup file

PC4> ip 203.0.113.1
Checking for duplicate address...
PC4 : 203.0.113.1 255.255.255.0
PC4>
```

Part 3:

Proof of Completion:

```
R1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#ip nat inside source list 1 interface fastEthernet0/1 overload
R1(config)#interface fastEthernet 0/0
R1(config-if)#ip nat inside
R1(config-if)#interface fastEthernet 0/1
R1(config-if)#ip nat outside
R1(config-if)#exit
```

..