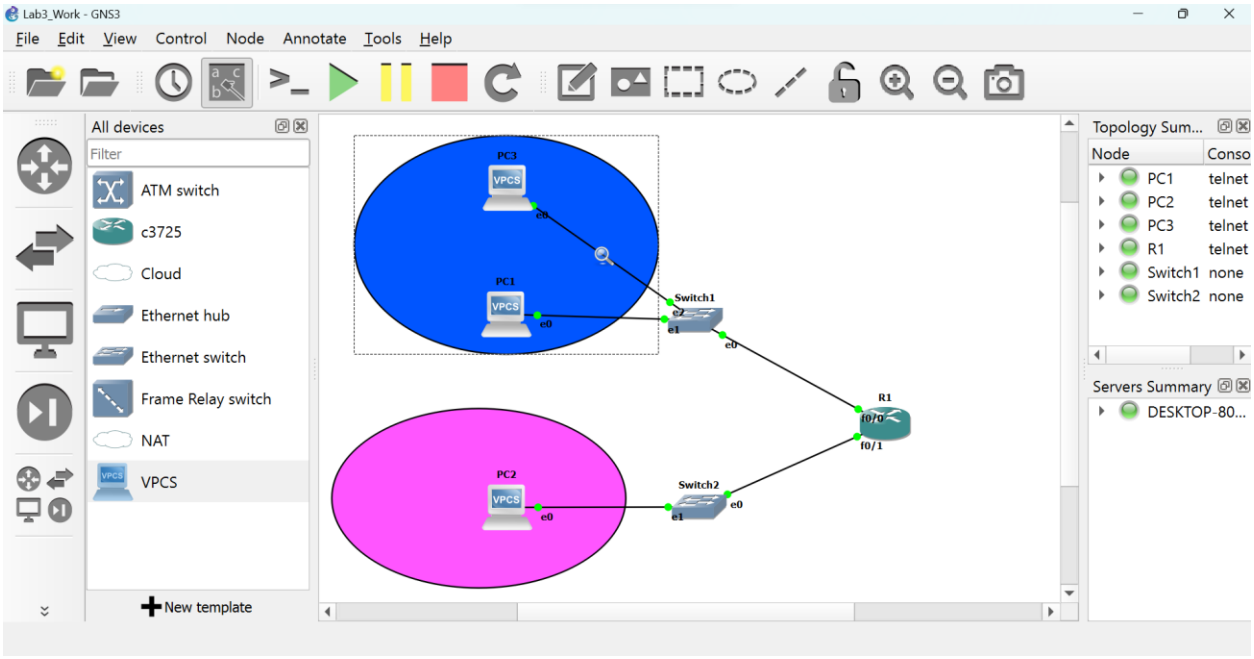
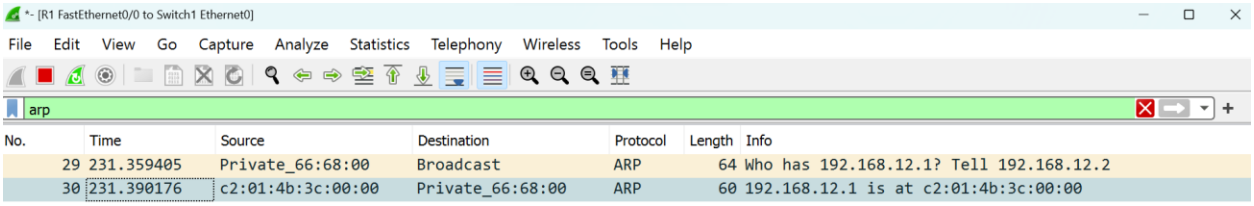
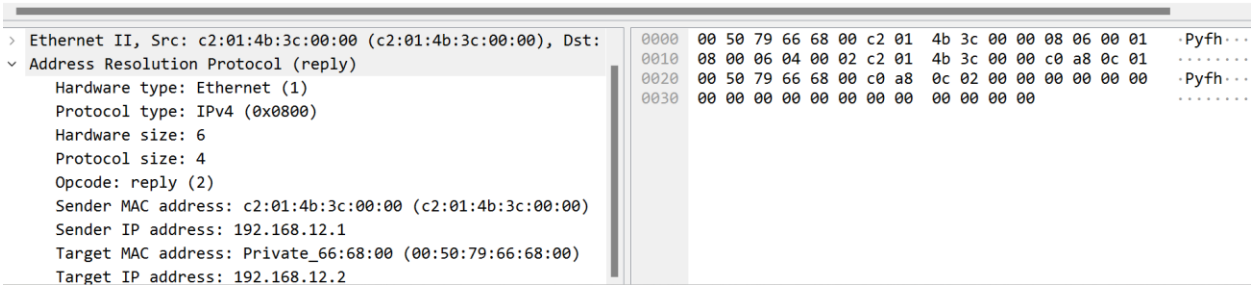
Noureldeen Allama

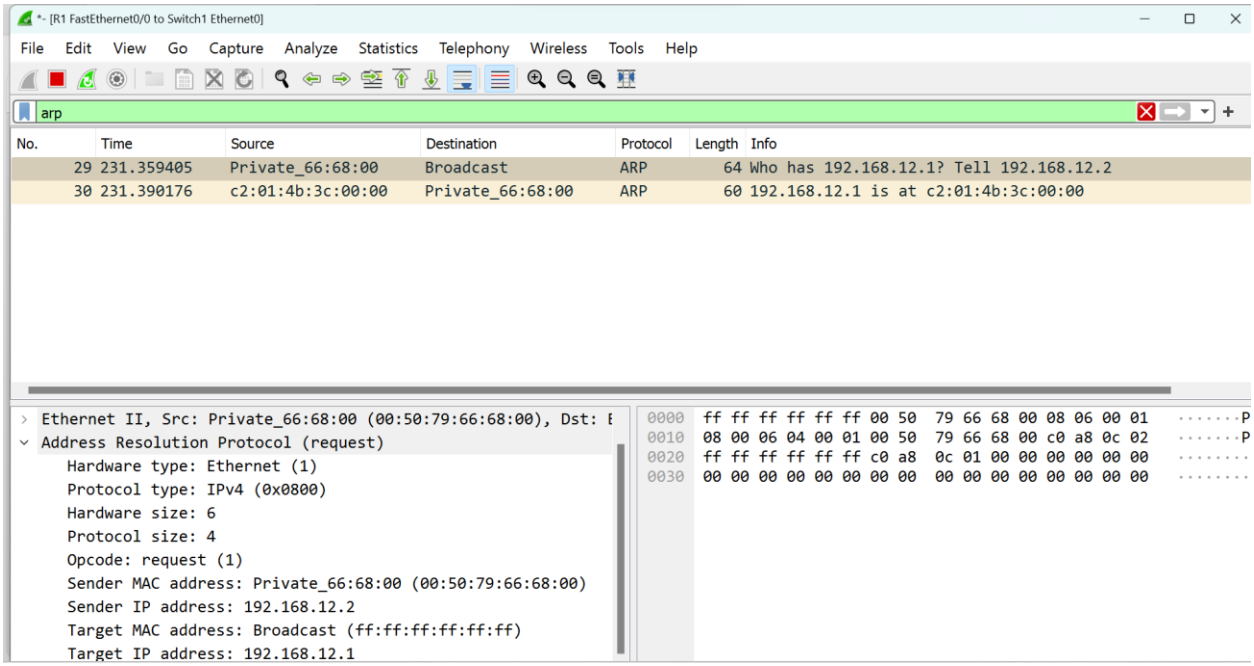
900202115

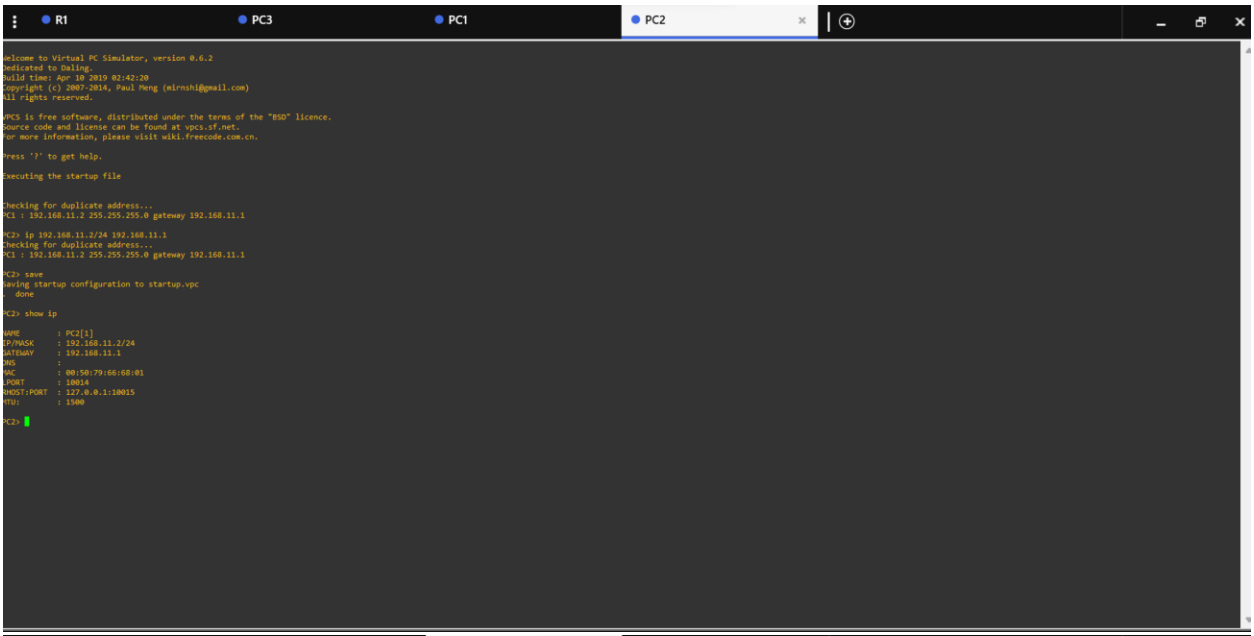
Lab Work 1

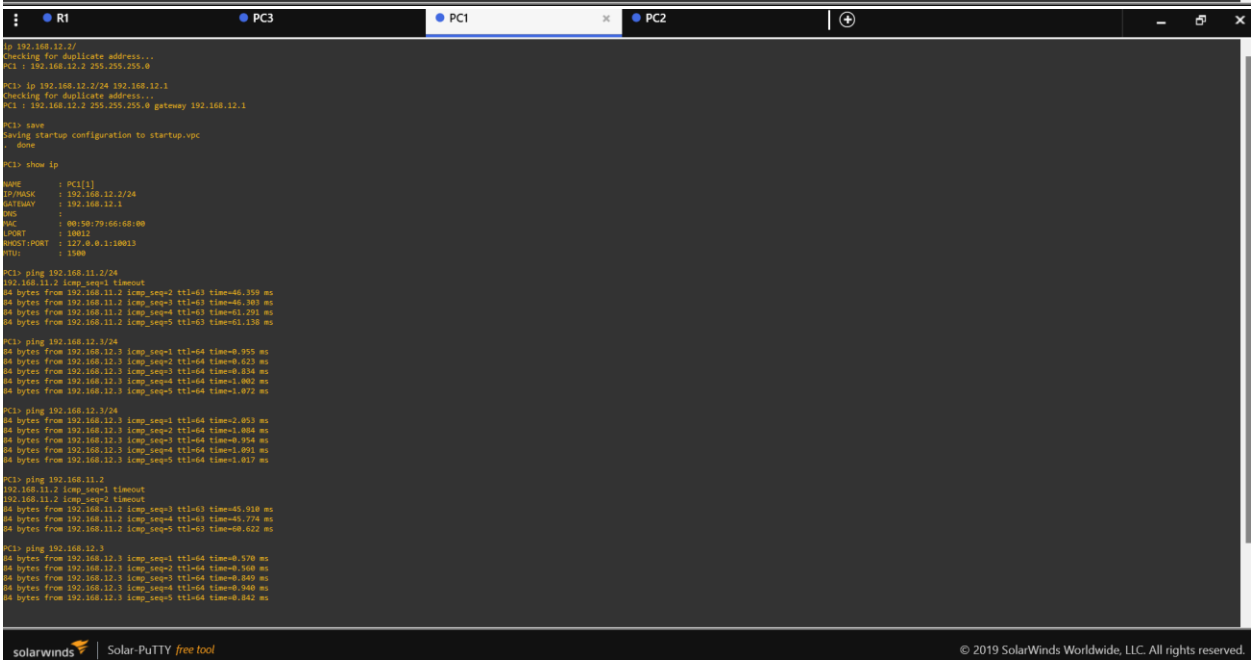


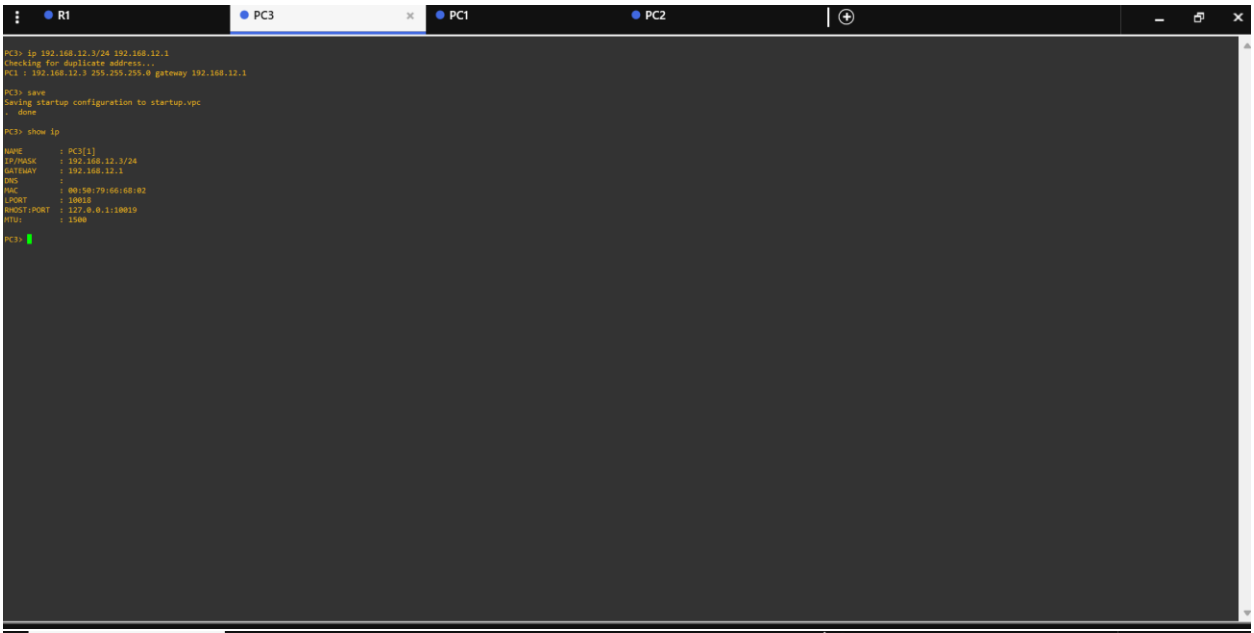





*- [R1 FastEthernet0/0 to Switch1 Ethernet0]
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp
No. Time Source Destination Protocol Length Info
29 231.359405 Private_66:68:00 Broadcast ARP 64 Who has 192.168.12.1? Tell 192.168.12.2
30 231.390176 c2:01:4b:3c:00:00 Private_66:68:00 ARP 60 192.168.12.1 is at c2:01:4b:3c:00:00
Ethernet II, Src: Private_66:68:00 (00:50:79:66:68:00), Dst:
Address Resolution Protocol (request)
Hardware type: Ethernet (1)
Protocol type: IPv4 (0x0800)
Hardware size: 6
Protocol size: 4
Opcode: request (1)
Sender MAC address: Private_66:68:00 (00:50:79:66:68:00)
Sender IP address: 192.168.12.2
Target MAC address: Broadcast (ff:ff:ff:ff:ff:ff)
Target IP address: 192.168.12.1
0000 ff ff ff ff ff ff 00 50 79 66 68 00 08 06 00 01
0010 08 00 06 04 00 01 00 50 79 66 68 00 c0 a8 0c 02
0020 ff ff ff ff ff ff c0 a8 0c 01 00 00 00 00 00 00
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00






R1
PC3
PC1
PC2
PC3> ip 192.168.12.3/24 192.168.12.1
Checking for duplicate address...
PC1 : 192.168.12.3 255.255.255.0 gateway 192.168.12.1
PC3> save
Saving startup configuration to startup.vpc
. done
PC3> show ip
NAME : PC3[1]
IP/MASK : 192.168.12.3/24
GATEWAY : 192.168.12.1
DNS :
MAC : 00:50:79:66:68:02
LPORT : 10018
RHOST:PORT : 127.0.0.1:10019
MTU: : 1500
PC3>


R1
PC3
PC1
PC2
0 administratively down
Mar 1 00:00:03.751: %LINK-5-CHANGED: Interface FastEthernet2/0, changed state
0 administratively down
Mar 1 00:00:04.471: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
t0/0, changed state to up
Mar 1 00:00:04.623: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
t0/1, changed state to up
Mar 1 00:00:04.751: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
t1/0, changed state to down
Mar 1 00:00:04.751: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
t2/0, changed state to down
1#enable
1#config t
nter configuration commands, one per line. End with CNTL/Z.
1(config)#name R1
^
Invalid input detected at '^' marker.
1(config)#hostname R1
1(config)#int f0/0
1(config-if)#ip address 192.168.12.1 255.255.255.0
1(config-if)#no shutdown
1(config-if)#exit
1(config)#int f0/1
1(config-if)#ip address 192.168.11.1 255.255.255.0
1(config-if)#no shutdown
1(config-if)#exit
1(config)#exit
1#
Mar 1 00:09:52.263: %SYS-5-CONFIG_I: Configured from console by console
1#wr
ilding configuration...
OK]
1#
1#copy running-config startup-config
estination filename [startup-config]?
ilding configuration...
OK]
1#show ip interface brief
nterface IP-Address OK? Method Status Protocol
astEthernet0/0 192.168.12.1 YES NVRAM up up
astEthernet0/1 192.168.11.1 YES NVRAM up up
astEthernet1/0 unassigned YES NVRAM administratively down down
astEthernet2/0 unassigned YES NVRAM administratively down down
1#show ip route
odes: 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
i - IS-IS, su - IS-IS summary, 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
teway of last resort is not set
192.168.12.0/24 is directly connected, FastEthernet0/0
192.168.11.0/24 is directly connected, FastEthernet0/1
1#
solarwinds | Solar-PuTTY free tool
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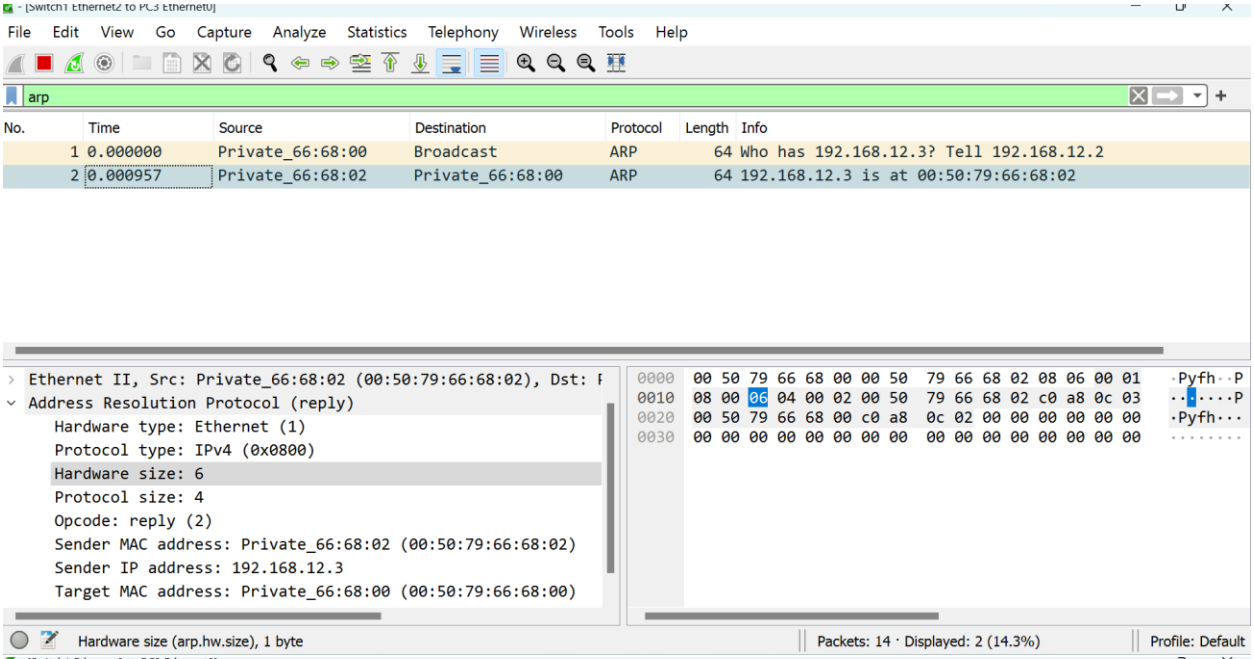
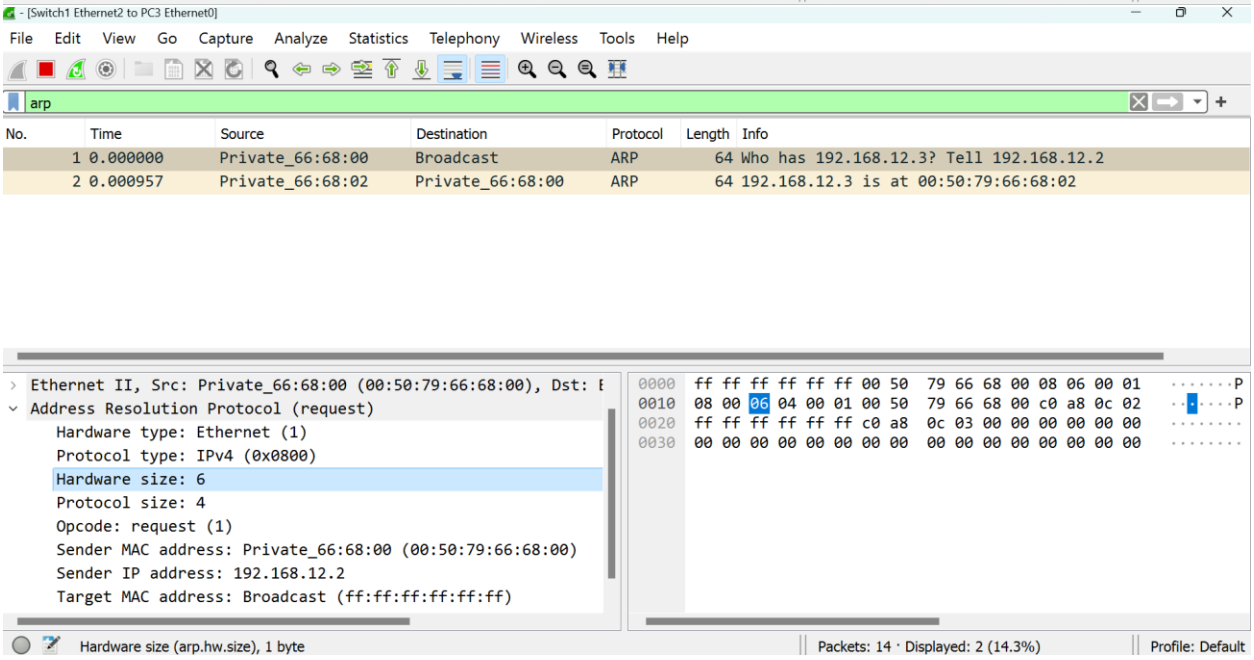

- [Switch1 Ethernet2 to PC3 Ethernet0]
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp
No. Time Source Destination Protocol Length Info
1 0.000000 Private_66:68:00 Broadcast ARP 64 Who has 192.168.12.3? Tell 192.168.12.2
2 0.000957 Private_66:68:02 Private_66:68:00 ARP 64 192.168.12.3 is at 00:50:79:66:68:02
Ethernet II, Src: Private_66:68:02 (00:50:79:66:68:02), Dst: F
Address Resolution Protocol (reply)
Hardware type: Ethernet (1)
Protocol type: IPv4 (0x0800)
Hardware size: 6
Protocol size: 4
Opcode: reply (2)
Sender MAC address: Private_66:68:02 (00:50:79:66:68:02)
Sender IP address: 192.168.12.3
Target MAC address: Private_66:68:00 (00:50:79:66:68:00)
0000 00 50 79 66 68 00 00 50 79 66 68 02 08 06 00 01 ·Pyfh··P
0010 08 00 06 04 00 02 00 50 79 66 68 02 c0 a8 0c 03 ·····Pyfh·····
0020 00 50 79 66 68 00 c0 a8 0c 02 00 00 00 00 00 00 ·Pyfh·····
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ·····
Hardware size (arp.hw.size), 1 byte
Packets: 14 · Displayed: 2 (14.3%)
Profile: Default


- [Switch1 Ethernet2 to PC3 Ethernet0]
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp
No. Time Source Destination Protocol Length Info
1 0.000000 Private_66:68:00 Broadcast ARP 64 Who has 192.168.12.3? Tell 192.168.12.2
2 0.000957 Private_66:68:02 Private_66:68:00 ARP 64 192.168.12.3 is at 00:50:79:66:68:02
Ethernet II, Src: Private_66:68:00 (00:50:79:66:68:00), Dst: F
Address Resolution Protocol (request)
Hardware type: Ethernet (1)
Protocol type: IPv4 (0x0800)
Hardware size: 6
Protocol size: 4
Opcode: request (1)
Sender MAC address: Private_66:68:00 (00:50:79:66:68:00)
Sender IP address: 192.168.12.2
Target MAC address: Broadcast (ff:ff:ff:ff:ff:ff)
0000 ff ff ff ff ff ff 00 50 79 66 68 00 08 06 00 01 ·····Pyfh·····
0010 08 00 06 04 00 01 00 50 79 66 68 00 c0 a8 0c 02 ·····Pyfh·····
0020 ff ff ff ff ff ff c0 a8 0c 03 00 00 00 00 00 00 ·····
0030 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 ·····
Hardware size (arp.hw.size), 1 byte
Packets: 14 · Displayed: 2 (14.3%)
Profile: Default