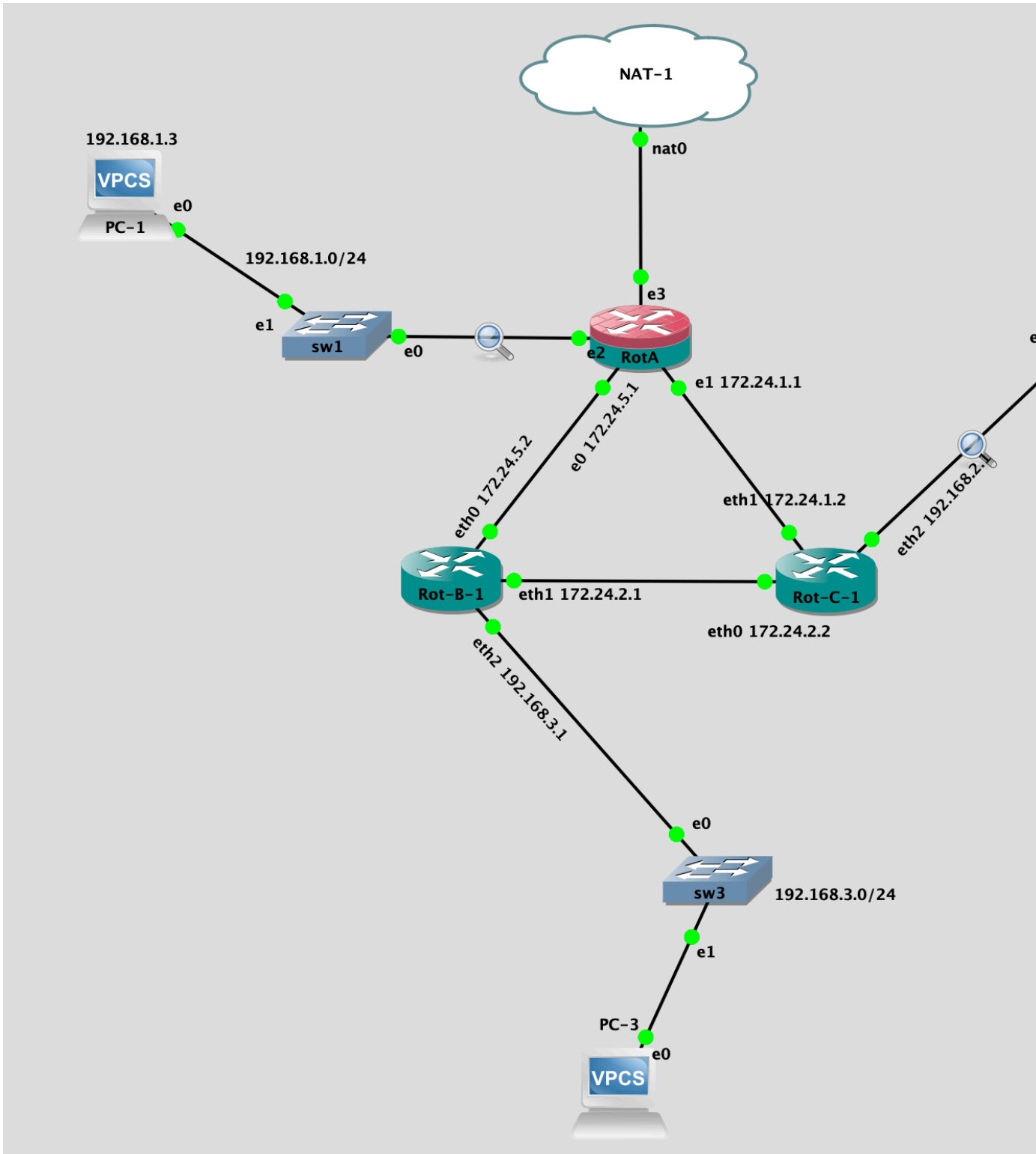
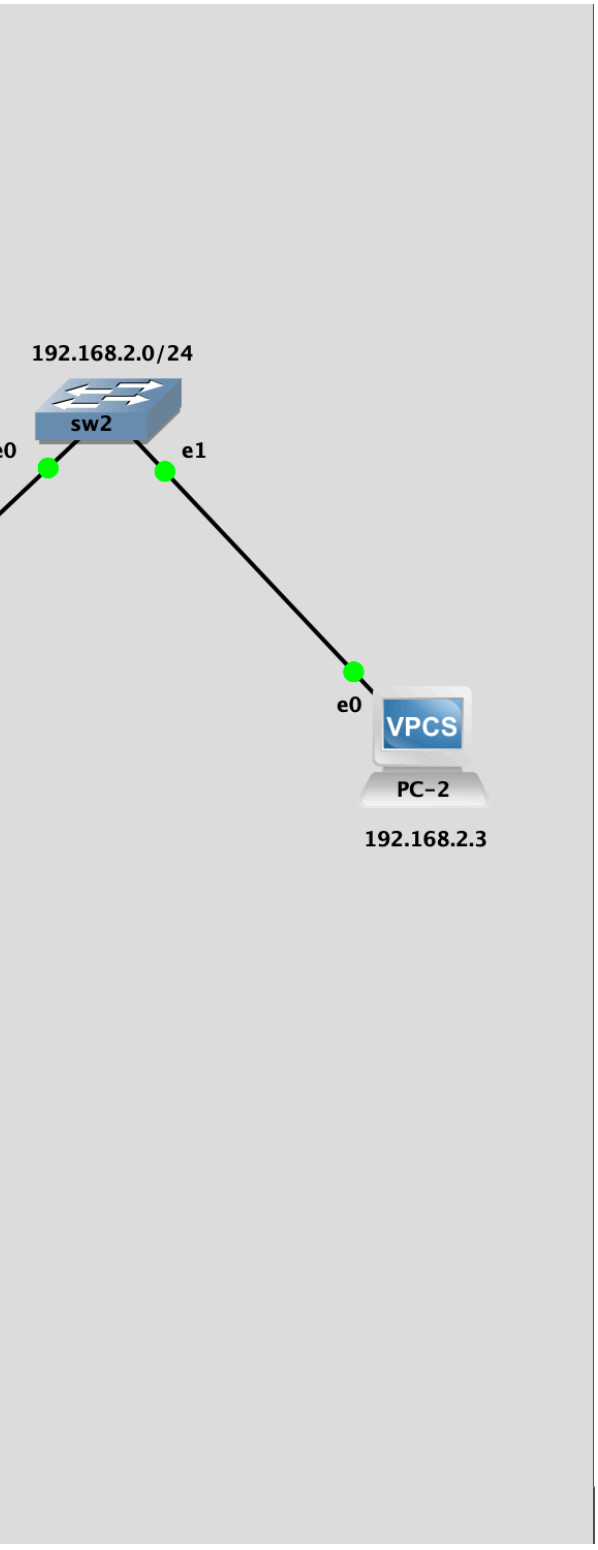
LAB3 - OSPF

domingo, 8 de setembro de 2019 21:13



Configurações. ROTA:


192.168.2.0/24
sw2
e0
e1
e0
VPCS
PC-2
192.168.2.3

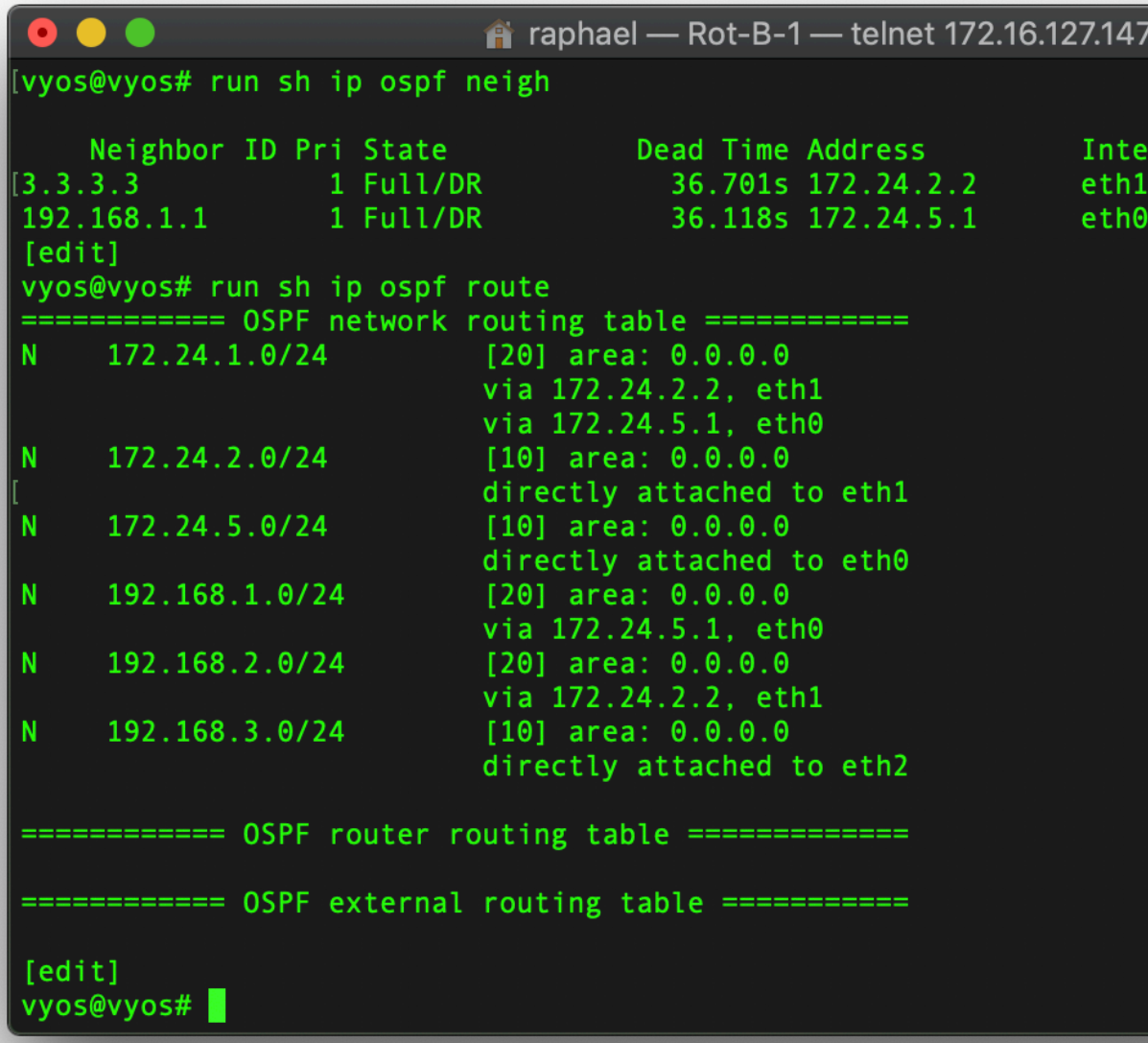
Para ativar o protocolo OSPF:
#vim /etc/quagga/daemons
ospfd=yes
bgpd=no

#telnet localhost 2604
ROTA> enable
ROTA# configure terminal
ROTA(config)# log file /var/log/quagga/ospfd.log
ROTA(config)# router ospf
ROTA(config-router)# network 192.168.1.0/24
ROTA(config-router)# network 172.24.5.0/24 a
ROTA(config-router)# network 172.24.1.0/24 a
ROTA(config-router)# exit
ROTA(config)#do wr
ROTA(config)#q

ROT-B-1:
set protocol ospf parameter router-id 1.1.1.1
set protocol ospf area 0 network 1.1.1.1/32
set protocol ospf area 0 network 192.168.3.0/24
set protocol ospf area 0 network 172.24.5.0/24
set protocol ospf area 0 network 172.24.2.0/24

- area 0
area 0
area 0

set protocol ospf area 0 network 172.24.2.0/24
commit
save
Verificar:
run sh ip ospf route



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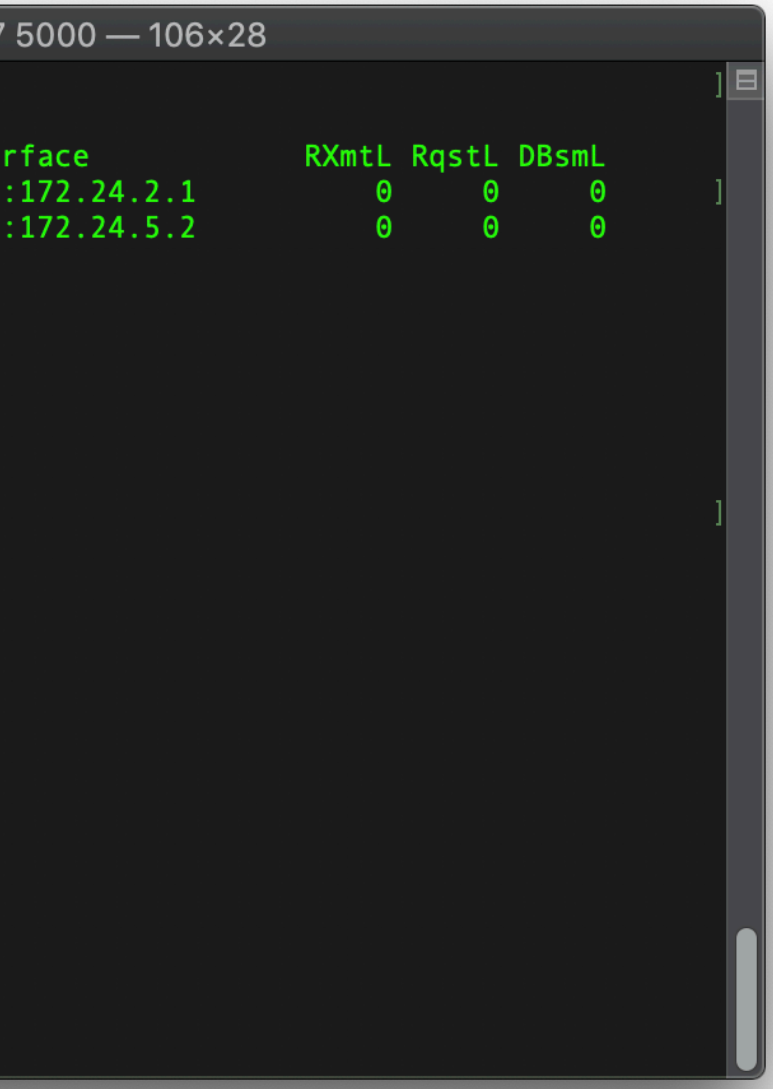
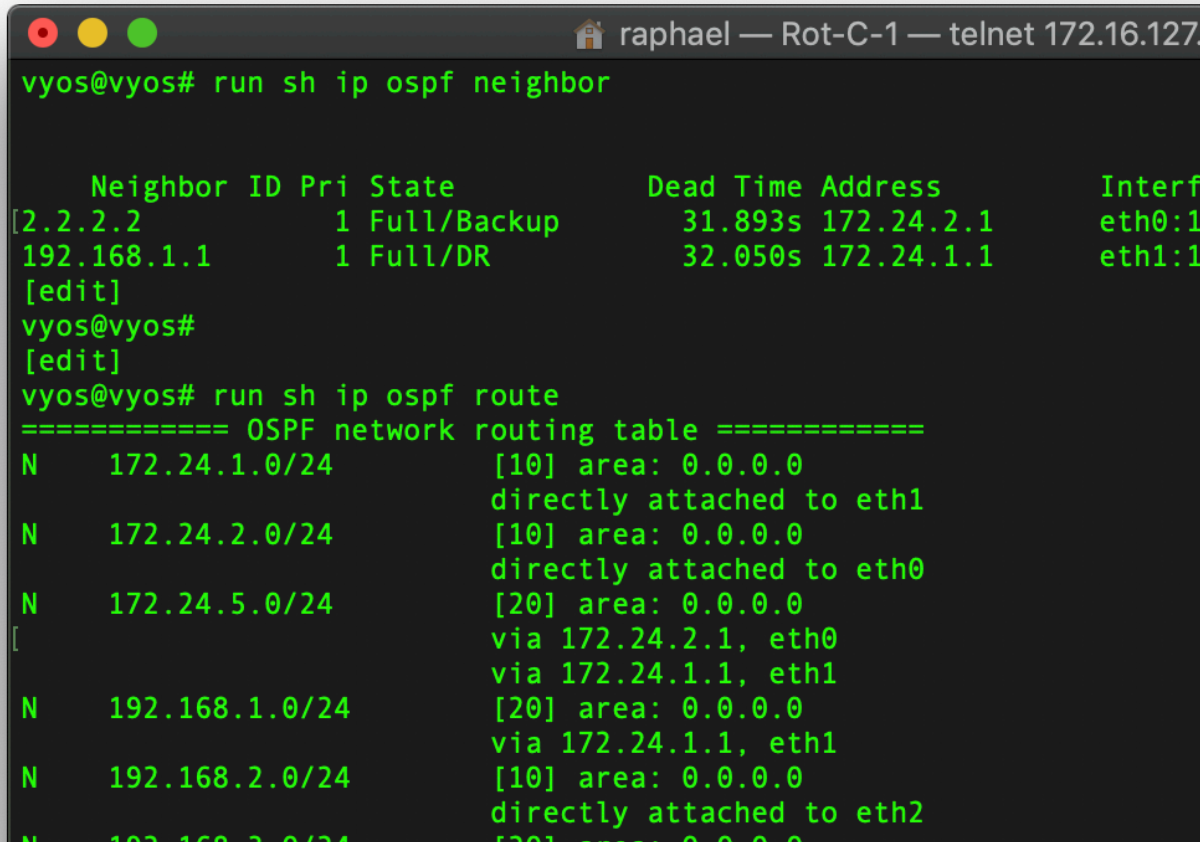
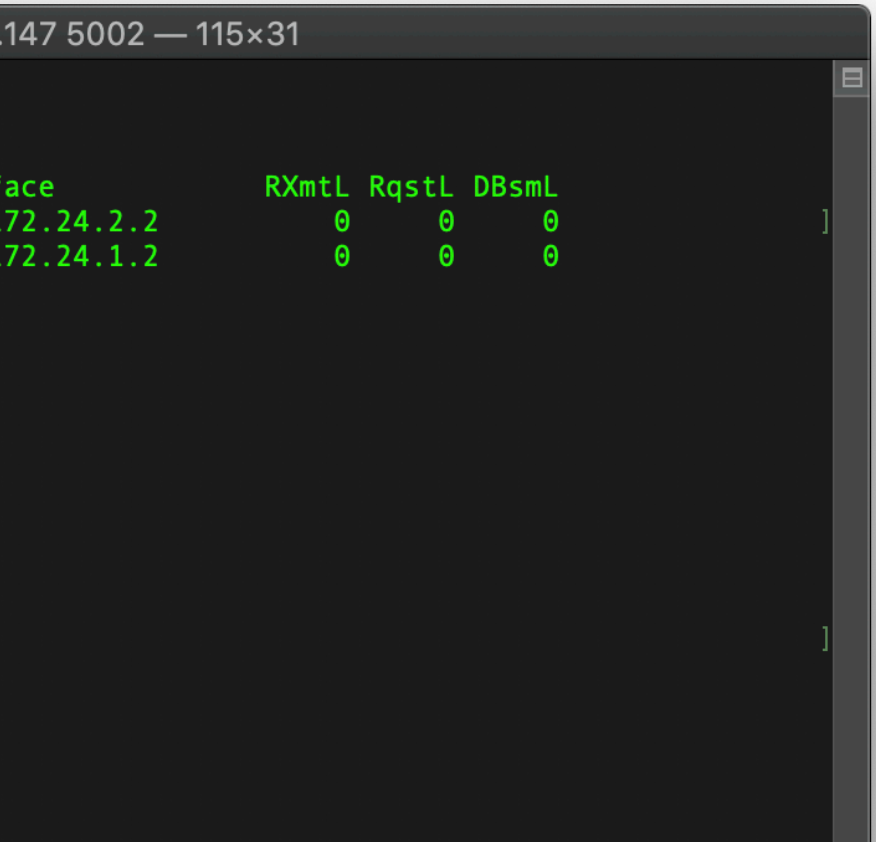

5000 — 106×28
rface RXmtL RqstL DBsmL
:172.24.2.1 0 0 0
:172.24.5.2 0 0 0

==========

ROT-C-1:

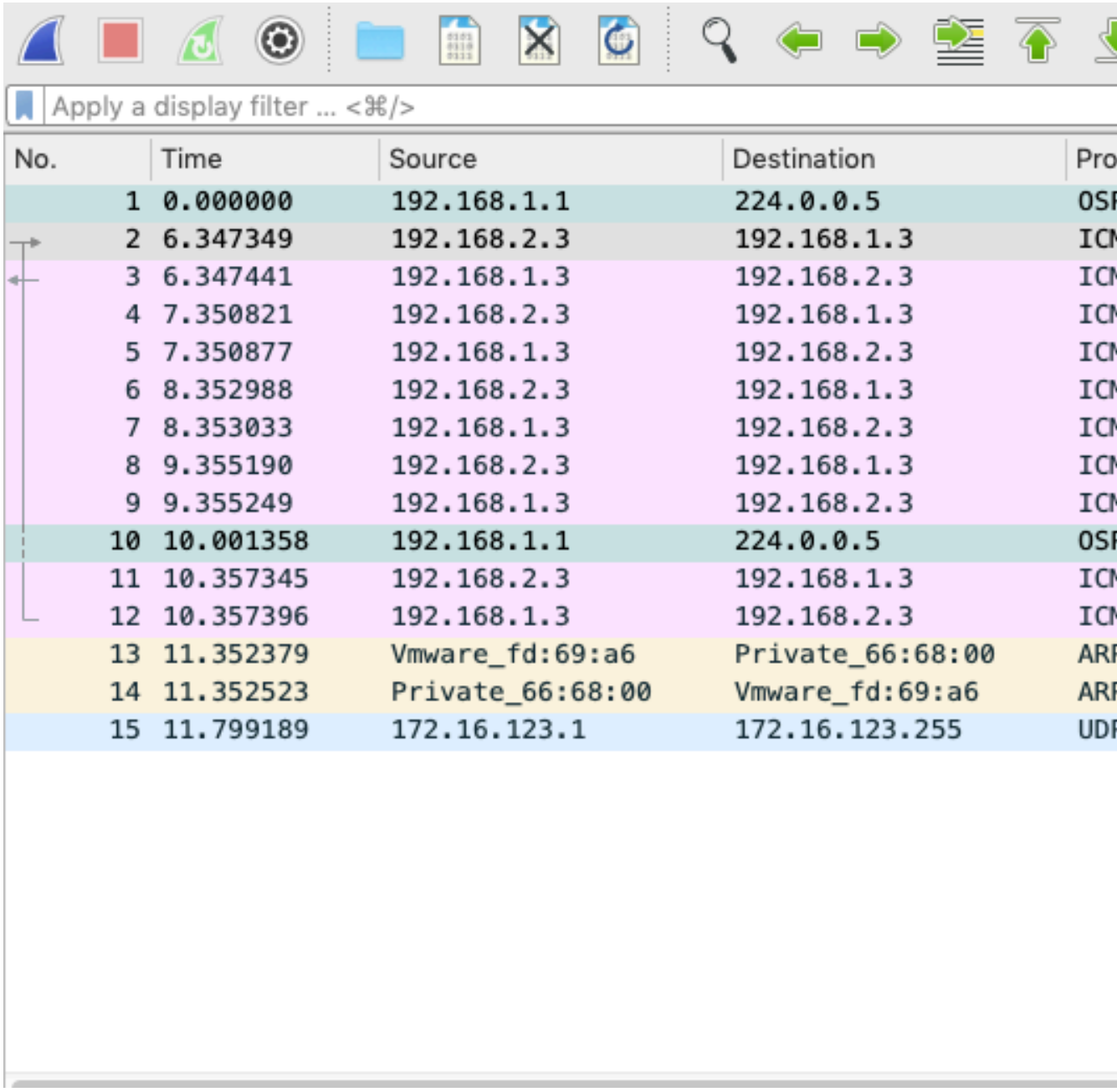
set protocol ospf parameter router-id 2.2.2.2
set protocol ospf area 0 network 2.2.2.2/32
set protocol ospf area 0 network 192.168.2.0/24
set protocol ospf area 0 network 172.24.1.0/24
set protocol ospf area 0 network 172.24.2.0/24
commit
save
Verificar:
run sh ip ospf route



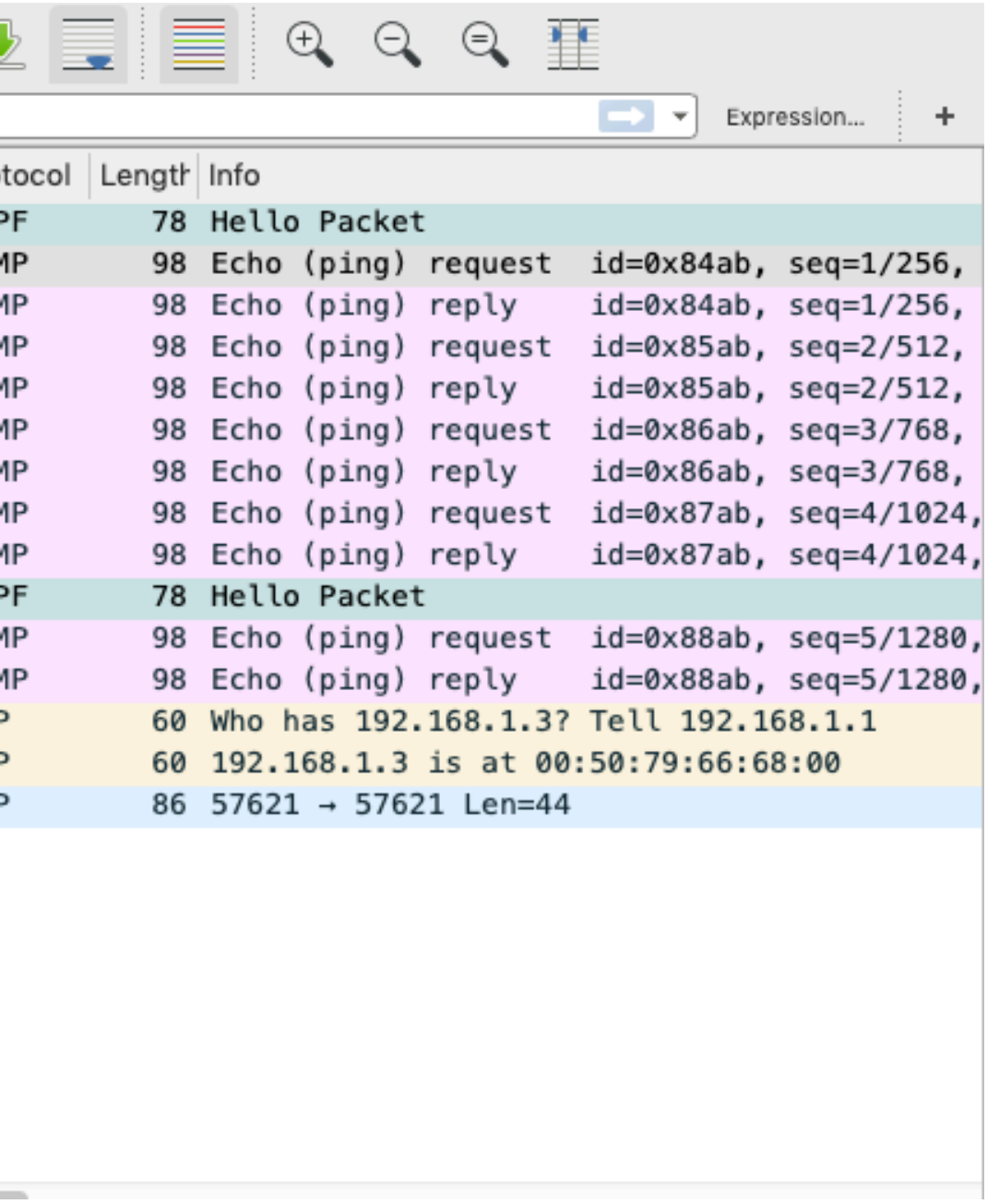

.147 5002 — 115×31
face RXmtL RqstL DBsmL
.72.24.2.2 0 0 0
.72.24.1.2 0 0 0

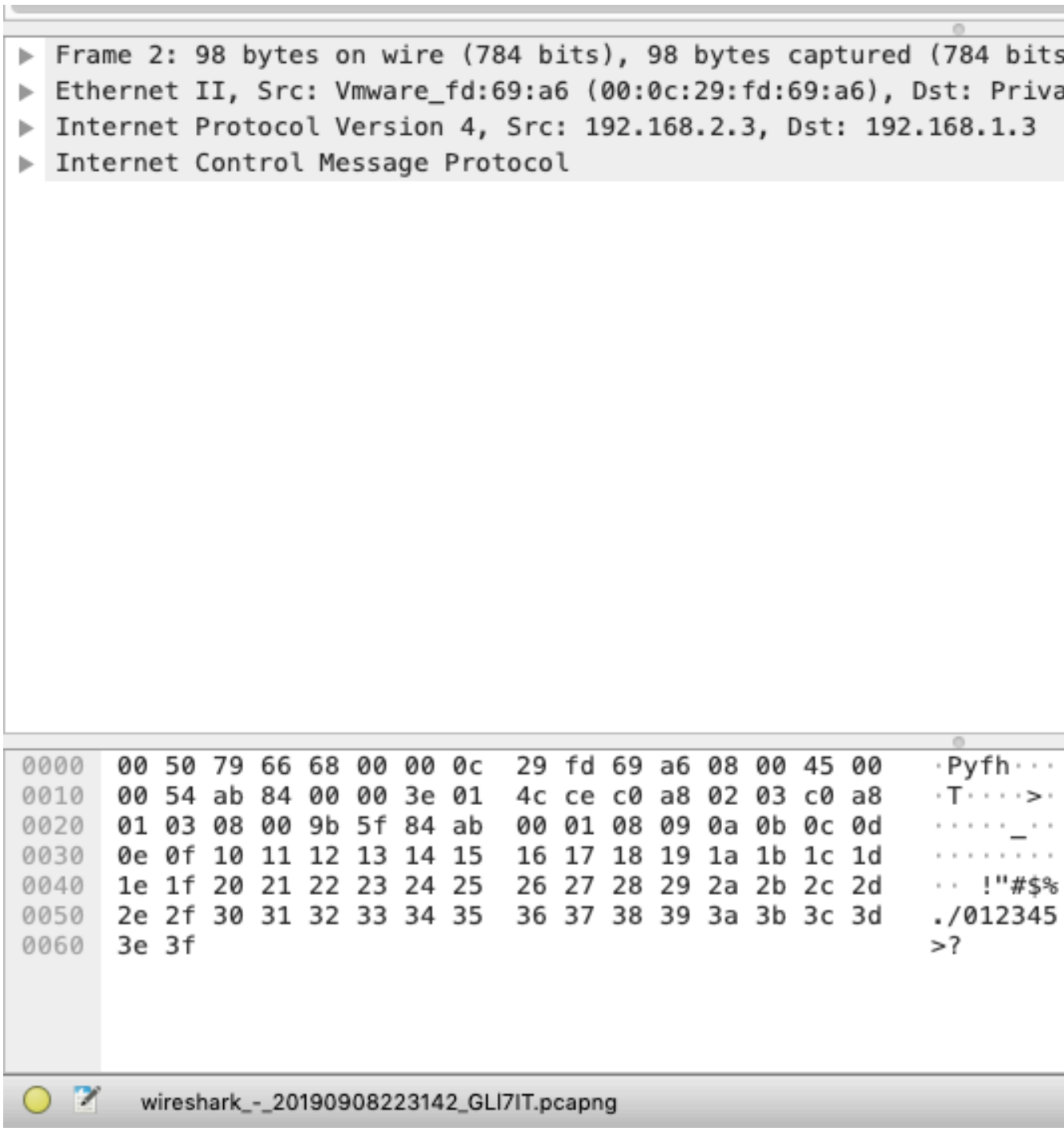
```
N    192.168.3.0/24          [20] area: 0.0.0.0
                             via 172.24.2.1, eth0

============ OSPF router routing table =============

============ OSPF external routing table ===========

[edit]
vyos@vyos#
```

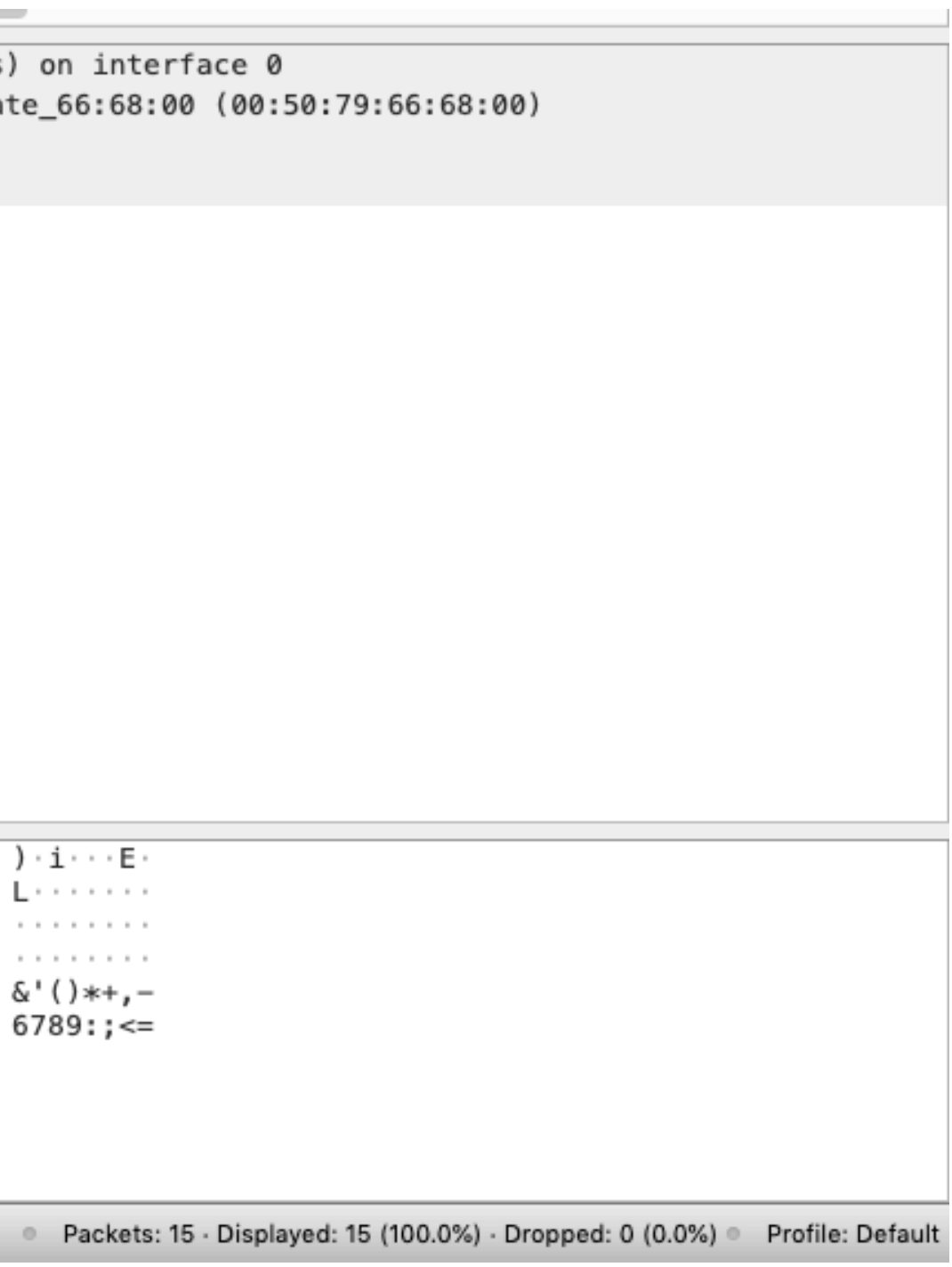
Captura do PING:



No.	Time	Source	Destination	Pro
1	0.000000	192.168.1.1	224.0.0.5	OSI
2	6.347349	192.168.2.3	192.168.1.3	ICM
3	6.347441	192.168.1.3	192.168.2.3	ICM
4	7.350821	192.168.2.3	192.168.1.3	ICM
5	7.350877	192.168.1.3	192.168.2.3	ICM
6	8.352988	192.168.2.3	192.168.1.3	ICM
7	8.353033	192.168.1.3	192.168.2.3	ICM
8	9.355190	192.168.2.3	192.168.1.3	ICM
9	9.355249	192.168.1.3	192.168.2.3	ICM
10	10.001358	192.168.1.1	224.0.0.5	OSI
11	10.357345	192.168.2.3	192.168.1.3	ICM
12	10.357396	192.168.1.3	192.168.2.3	ICM
13	11.352379	Vmware_fd:69:a6	Private_66:68:00	ARP
14	11.352523	Private_66:68:00	Vmware_fd:69:a6	ARP
15	11.799189	172.16.123.1	172.16.123.255	UDP


Expression...
+
otocol
Length
Info
PF 78 Hello Packet
MP 98 Echo (ping) request id=0x84ab, seq=1/256,
MP 98 Echo (ping) reply id=0x84ab, seq=1/256,
MP 98 Echo (ping) request id=0x85ab, seq=2/512,
MP 98 Echo (ping) reply id=0x85ab, seq=2/512,
MP 98 Echo (ping) request id=0x86ab, seq=3/768,
MP 98 Echo (ping) reply id=0x86ab, seq=3/768,
MP 98 Echo (ping) request id=0x87ab, seq=4/1024,
MP 98 Echo (ping) reply id=0x87ab, seq=4/1024,
PF 78 Hello Packet
MP 98 Echo (ping) request id=0x88ab, seq=5/1280,
MP 98 Echo (ping) reply id=0x88ab, seq=5/1280,
P 60 Who has 192.168.1.3? Tell 192.168.1.1
P 60 192.168.1.3 is at 00:50:79:66:68:00
P 86 57621 → 57621 Len=44


Frame 2: 98 bytes on wire (784 bits), 98 bytes captured (784 bits
Ethernet II, Src: Vmware_fd:69:a6 (00:0c:29:fd:69:a6), Dst: Priva
Internet Protocol Version 4, Src: 192.168.2.3, Dst: 192.168.1.3
Internet Control Message Protocol
0000 00 50 79 66 68 00 00 0c 29 fd 69 a6 08 00 45 00 ·Pyfh··· ·)·i···E·
0010 00 54 ab 84 00 00 3e 01 4c ce c0 a8 02 03 c0 a8 ·T····>· L·····
0020 01 03 08 00 9b 5f 84 ab 00 01 08 09 0a 0b 0c 0d ·····_·· ····
0030 0e 0f 10 11 12 13 14 15 16 17 18 19 1a 1b 1c 1d ····· ····
0040 1e 1f 20 21 22 23 24 25 26 27 28 29 2a 2b 2c 2d ·· !"#$% &'()*+,-
0050 2e 2f 30 31 32 33 34 35 36 37 38 39 3a 3b 3c 3d ./012345 6789:;<=
0060 3e 3f >?
wireshark_-_20190908223142_GLI7IT.pcapng


) on interface 0
ate_66:68:00 (00:50:79:66:68:00)
)·i···E·
L·······
·
·
&'()*+,-
6789:;<=
Packets: 15 · Displayed: 15 (100.0%) · Dropped: 0 (0.0%)
Profile: Default