

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet
6	8.915238	10.10.1.14	224.0.0.5	OSPF	94	Hello Packet
7	9.990043	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet
11	18.905885	10.10.1.14	224.0.0.5	OSPF	94	Hello Packet
12	20.010425	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet
15	28.933919	10.10.1.14	224.0.0.5	OSPF	94	Hello Packet
16	29.986504	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet
20	38.922451	10.10.1.14	224.0.0.5	OSPF	94	Hello Packet
21	39.997286	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet
24	48.921071	10.10.1.14	224.0.0.5	OSPF	94	Hello Packet
25	49.994913	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet
28	58.906912	10.10.1.14	224.0.0.5	OSPF	94	Hello Packet
29	60.016084	10.10.1.13	224.0.0.5	OSPF	94	Hello Packet

Frame 28: 94 bytes on wire (752 bits), 94 bytes captured (752 bits) on interface -, id 0

Ethernet II, Src: cc:02:3f:47:00:10 (cc:02:3f:47:00:10), Dst: IPv4mcast_05 (01:00:5e:00:00:05)

Internet Protocol Version 4, Src: 10.10.1.14, Dst: 224.0.0.5

Open Shortest Path First

OSPF Header

Version: 2

Message Type: Hello Packet (1) Тип сообщения

Packet Length: 48

Source OSPF Router: 10.10.2.2 ID маршрутизатора-источника

Area ID: 0.0.0.2 Зона

Checksum: 0xbe4a [correct]

Auth Type: Null (0)

Auth Data (none): 0000000000000000

OSPF Hello Packet

Network Mask: 255.255.255.252 Маска подсети

Hello Interval [sec]: 10 Интервал отправки сообщений hello

Options: 0x12, (L) LLS Data block, (E) External Routing

0... .. = DN: Not set

.0.. = (O) Opaque: Not set

..0. = (DC) Demand Circuits: Not supported

...1 = (L) LLS Data block: Present

.... 0... = (N) NSSA: Not supported

.... .0.. = (MC) Multicast: Not capable

.... ..1. = (E) External Routing: Capable

.... ...0 = (MT) Multi-Topology Routing: No

Router Priority: 1 Приоритет

Router Dead Interval [sec]: 40 Интервал пропажи

Designated Router: 10.10.1.14 Адрес маршрутизатора

Backup Designated Router: 10.10.1.13 Адрес резервного маршрутизатора

Active Neighbor: 10.10.1.13 Адрес соседа

OSPF LLS Data Block

Checksum: 0xffff6

LLS Data Length: 12 bytes

Extended options TLV

TLV Type: 1

TLV Length: 4

Options: 0x00000001, (LR) LSDB Resynchronization

.... = (RS) Restart Signal: Not set

.... = (LR) LSDB Resynchronization: Set

0000 01 00 5e 00 00 05 cc 02 3f 47 00 10 08 00 45 c0 ..^.... ?G... E.

0010 00 50 00 94 00 00 01 59 cc e4 0a 0a 01 0e e0 00 .P....Y

0020 00 05 02 01 00 30 0a 0a 02 02 00 00 00 02 be 4a 0...

0030 00 00 00 00 00 00 00 00 00 ff ff ff fc 00 0a

0040 12 01 00 00 00 28 0a 0a 01 0e 0a 0a 01 0d 0a 0a (.....

0050 01 0d ff f6 00 03 00 01 00 04 00 00 00 01

No.	Time	Source	Destination	Protocol	Length	Info
18	136.537682	10.10.1.2	224.0.0.9	RIPv2	246	Response
23	184.155288	10.10.1.1	224.0.0.9	RIPv2	66	Response
26	200.957703	10.10.1.2	224.0.0.9	RIPv2	246	Response
32	255.793834	10.10.1.1	224.0.0.9	RIPv2	66	Response
34	264.801300	10.10.1.2	224.0.0.9	RIPv2	246	Response
41	323.328722	10.10.1.1	224.0.0.9	RIPv2	66	Response
42	336.837554	10.10.1.2	224.0.0.9	RIPv2	246	Response
49	393.581140	10.10.1.1	224.0.0.9	RIPv2	66	Response
52	408.246066	10.10.1.2	224.0.0.9	RIPv2	246	Response
58	460.863369	10.10.1.1	224.0.0.9	RIPv2	66	Response
60	479.013844	10.10.1.2	224.0.0.9	RIPv2	246	Response
66	530.460418	10.10.1.1	224.0.0.9	RIPv2	66	Response
68	541.654787	10.10.1.2	224.0.0.9	RIPv2	246	Response

Frame 42: 246 bytes on wire (1968 bits), 246 bytes captured (1968 bits) on interface -, id 0

Ethernet II, Src: cc:05:3f:a1:00:10 (cc:05:3f:a1:00:10), Dst: IPv4mcast 09 (01:00:5e:00:00:09)

Internet Protocol Version 4, Src: 10.10.1.2, Dst: 224.0.0.9

User Datagram Protocol, Src Port: 520, Dst Port: 520

Routing Information Protocol

Command: Response (2)

Version: RIPv2 (2)

IP Address: 10.10.0.4, Metric: 1

Address Family: IP (2)

Route Tag: 0

IP Address: 10.10.0.4

Netmask: 255.255.255.252

Next Hop: 0.0.0.0

Metric: 1

IP Address: 10.10.0.8, Metric: 11

Address Family: IP (2)

Route Tag: 0

IP Address: 10.10.0.8

Netmask: 255.255.255.252

Next Hop: 0.0.0.0

Metric: 11

IP Address: 10.10.0.12, Metric: 11

Address Family: IP (2)

Route Tag: 0

IP Address: 10.10.0.12

Netmask: 255.255.255.252

Next Hop: 0.0.0.0

Metric: 11

IP Address: 10.10.0.16, Metric: 11

Address Family: IP (2)

Route Tag: 0

IP Address: 10.10.0.16

Netmask: 255.255.255.252

Next Hop: 0.0.0.0

Metric: 11

IP Address: 10.10.1.4, Metric: 1

Address Family: IP (2)

Route Tag: 0

IP Address: 10.10.1.4

Netmask: 255.255.255.252

Next Hop: 0.0.0.0

Metric: 1

Вид адреса

Тэг маршрутизатора

Адрес подсети

Маска подсети

Адрес следующего шага маршрута

Метрика/расстояние до подсети

Все маршруты

0000 01 00 5e 00 00 00 cc 05 3f a1 00 10 08 00 45 c0 ..A.....?....E.

0010 00 e8 00 00 00 00 02 11 cc 30 0a 0a 01 02 e0 000.....

0020 00 09 02 08 02 08 00 d4 a1 13 02 02 00 00 00 02

0030 00 00 0a 0a 00 04 ff ff ff fc 00 00 00 00 00 00

0040 00 01 00 02 00 00 0a 0a 00 08 ff ff ff fc 00 00

0050 00 00 00 00 00 0b 00 02 00 00 0a 0a 00 0c ff ff

0060 ff fc 00 00 00 00 00 00 00 0b 00 02 00 00 0a 0a

0070 00 10 ff ff ff fc 00 00 00 00 00 00 0b 00 02

0080 00 00 0a 0a 01 04 ff ff ff fc 00 00 00 00 00 00

0090 00 01 00 02 00 00 0a 0a 01 08 ff ff ff fc 00 00

00a0 00 00 00 00 00 0b 00 02 00 00 0a 0a 01 0c ff ff

00b0 ff fc 00 00 00 00 00 00 00 0b 00 02 00 00 0a 0a

00c0 01 10 ff ff ff fc 00 00 00 00 00 00 0b 00 02

00d0 00 00 0a 0a 01 14 ff ff ff fc 00 00 00 00 00 00

00e0 00 0b 00 02 00 00 0a 0a 02 00 ff ff ff f8 00 00

00f0 00 00 00 00 00 02