

R10

R1

ospfv2_net_nonbcast.pcapng

👋 OSPF Hello Packet

Frame 1 |
2020-08-04T21:26:00.336661Z

🆔 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👥 Active Neighbor	10.0.0.1

👋 OSPF Hello Packet

Frame 2 |
2020-08-04T21:26:00.984539Z

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👥 Active Neighbor	10.0.0.10

👋 OSPF Hello Packet

Frame 3 |
2020-08-04T22:17:15.425984Z

🆔 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	0.0.0.0

👋 OSPF Hello Packet

Frame 4 |
2020-08-04T22:17:15.426235Z

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.1
👑 Backup Designated Router	0.0.0.0
👥 Active Neighbor	10.0.0.10

📄 OSPF DB Description

Frame 5 |
2020-08-04T22:17:15.430893Z

🆔 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	8337

📄 OSPF DB Description

Frame 6 |
2020-08-04T22:17:15.431135Z

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	8168

📄 OSPF DB Description

Frame 7 |
2020-08-04T22:17:15.431194Z

R10

R1

ID	Source OSPF Router	10.0.0.1
🏠	Area ID	0.0.0.6
	Interface MTU	1500
	Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
	DB Description	0x02, (M) More
	DD Sequence	8337
	Options	0x22, (DC) Demand Circuits, (E) External Routing
	LS Type	Router-LSA (1)
	Link State ID	10.0.0.1
🚩	Advertising Router	10.0.0.1
	Options	0x22, (DC) Demand Circuits, (E) External Routing
	LS Type	Summary-LSA (IP network) (3)
	Link State ID	10.0.0.1
🚩	Advertising Router	10.0.0.1
	Options	0x22, (DC) Demand Circuits, (E) External Routing...
		27 more

👋 OSPF Hello Packet

ID	Source OSPF Router	10.0.0.10
🏠	Area ID	0.0.0.6
	Network Mask	255.255.255.0
	Hello Interval [sec]	10
	Options	0x12, (L) LLS Data block, (E) External Routing
	Router Priority	1
	Router Dead Interval [sec]	40
👑	Designated Router	10.1.10.10
👑	Backup Designated Router	0.0.0.0
👥	Active Neighbor	10.0.0.1

📄 OSPF DB Description

ID	Source OSPF Router	10.0.0.10
🏠	Area ID	0.0.0.6
	Interface MTU	1500
	Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
	DB Description	0x01, (MS) Master
	DD Sequence	8338
	Options	0x22, (DC) Demand Circuits, (E) External Routing
	LS Type	Router-LSA (1)
	Link State ID	10.0.0.10
🚩	Advertising Router	10.0.0.10

🔍 OSPF LS Request

ID	Source OSPF Router	10.0.0.1
🏠	Area ID	0.0.0.6
🚩	Advertising Router	10.0.0.10

📄 OSPF DB Description

ID	Source OSPF Router	10.0.0.1
🏠	Area ID	0.0.0.6
	Interface MTU	1500
	Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
	DB Description	0x00
	DD Sequence	8338

👉 OSPF LS Update

ID	Source OSPF Router	10.0.0.10
🏠	Area ID	0.0.0.6
	LS Age (seconds)	17
	LS Type	Router-LSA (1)
	Router LSA	True
	Link State ID	10.0.0.10
🚩	Advertising Router	10.0.0.10
1 2 3 4	Sequence Number	0x80000003

🔍 OSPF LS Request

ID	Source OSPF Router	10.0.0.10
🏠	Area ID	0.0.0.6

Frame 8 | 2020-08-04T22:17:15.431285Z

Frame 9 | 2020-08-04T22:17:15.437648Z

Frame 10 | 2020-08-04T22:17:15.437874Z

Frame 11 | 2020-08-04T22:17:15.437931Z

Frame 12 | 2020-08-04T22:17:15.43815Z

Frame 13 | 2020-08-04T22:17:15.438416Z

R10

R1

Advertising Router	10.0.0.1
Advertising Router	10.0.0.1
Advertising Router	10.0.0.1
Advertising Router	10.0.0.1
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Advertising Router	10.0.0.1
Advertising Router	10.0.0.1
Advertising Router	10.0.0.1
Advertising Router	10.0.0.1
Advertising Router	10.0.0.1

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.6
LS Age (seconds)	53
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000002
LS Age (seconds)	94
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000001
LS Age (seconds)	81
LS Type	Summary-LSA (IP network) (3)...
	33 more

Frame 14 |
2020-08-04T22:17:15.438537Z

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.6
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000003

Frame 15 |
2020-08-04T22:17:15.950253Z

OSPF LS Update

Source OSPF Router	10.0.0.10
Area ID	0.0.0.6
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.10
Advertising Router	10.0.0.10
Sequence Number	0x80000004
LS Age (seconds)	1
LS Type	Network-LSA (2)
Link State ID	10.1.10.10
Advertising Router	10.0.0.10
Sequence Number	0x80000001

Frame 16 |
2020-08-04T22:17:15.950368Z

OSPF LS Update

Source OSPF Router	10.0.0.10
Area ID	0.0.0.6
LS Age (seconds)	2
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000003

Frame 17 |
2020-08-04T22:17:15.99151Z

OSPF Hello Packet

Source OSPF Router	10.0.0.1
Area ID	0.0.0.6

Frame 18 |
2020-08-04T22:17:16.179386Z

R10

R1

Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.10

✔️ OSPF LS Acknowledge

👤 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
📄 Link State ID	10.0.0.10
📡 Advertising Router	10.0.0.10
📄 Sequence Number	0x80000003
📄 Link State ID	10.0.0.10
📡 Advertising Router	10.0.0.10
📄 Sequence Number	0x80000004
📄 Link State ID	10.1.10.10
📡 Advertising Router	10.0.0.10
📄 Sequence Number	0x80000001
📄 Link State ID	10.0.0.1
📡 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000003

Frame 19 |
2020-08-04T22:17:17.940832Z

📡 OSPF LS Update

👤 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
⌚ LS Age (seconds)	1
📄 LS Type	Router-LSA (1)
📄 Router LSA	True
📄 Link State ID	10.0.0.10
📡 Advertising Router	10.0.0.10
📄 Sequence Number	0x80000005

Frame 20 |
2020-08-04T22:17:20.954309Z

✔️ OSPF LS Acknowledge

👤 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
📄 Link State ID	10.0.0.10
📡 Advertising Router	10.0.0.10
📄 Sequence Number	0x80000005

Frame 21 |
2020-08-04T22:17:23.462228Z

👋 OSPF Hello Packet

👤 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.1

Frame 22 |
2020-08-04T22:17:24.63744Z

📡 OSPF LS Update

👤 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
⌚ LS Age (seconds)	1
📄 LS Type	Router-LSA (1)
📄 Router LSA	True
📄 Link State ID	10.0.0.1
📡 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000004

Frame 23 |
2020-08-04T22:17:25.153568Z

👋 OSPF Hello Packet

👤 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6

Frame 24 |
2020-08-04T22:17:25.600887Z

R10

R1

Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.10

✔️ OSPF LS Acknowledge

🏠 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
🏠 Link State ID	10.0.0.1
🏠 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000004

👤 OSPF Hello Packet

🏠 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.1

👤 OSPF Hello Packet

🏠 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.10

👤 OSPF Hello Packet

🏠 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.10

👤 OSPF Hello Packet

🏠 Source OSPF Router	10.0.0.10
🏠 Area ID	0.0.0.6
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
👑 Designated Router	10.1.10.10
👑 Backup Designated Router	10.1.10.1
👤 Active Neighbor	10.0.0.1

Frame 25 |
2020-08-04T22:17:27.659988Z

Frame 26 |
2020-08-04T22:17:34.379823Z

Frame 27 |
2020-08-04T22:17:34.625678Z

Frame 28 |
2020-08-04T22:17:43.775358Z

Frame 29 |
2020-08-04T22:17:43.964372Z