

R10

R1

ospfv3\_v4\_net\_nonbcst.pcapng

OSPFv3 Hello Packet

Frame 1 |  
2020-08-04T21:26:00.175017Z

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.10.10.10
Backup Designated Router	10.1.1.1
Active Neighbor	10.1.1.1

OSPFv3 Hello Packet

Frame 2 |  
2020-08-04T21:26:00.928673Z

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.10.10.10
Backup Designated Router	10.1.1.1
Active Neighbor	10.10.10.10

OSPFv3 Hello Packet

Frame 3 |  
2020-08-04T22:17:06.435407Z

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.10.10.10
Backup Designated Router	0.0.0.0

OSPFv3 Hello Packet

Frame 4 |  
2020-08-04T22:17:06.435751Z

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.1.1.1
Backup Designated Router	0.0.0.0
Active Neighbor	10.10.10.10

OSPFv3 DB Description

Frame 5 |  
2020-08-04T22:17:06.435966Z

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	90996980

OSPFv3 Hello Packet

Frame 6 |  
2020-08-04T22:17:06.436011Z

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40

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R1

👑 Designated Router	10.10.10.10
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.1.1.1

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.1.1.1
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	125015444

Frame 7 |  
2020-08-04T22:17:06.44125Z

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.1.1.1
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	90996980
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1
🚩 Advertising Router	10.1.1.1...
	9 more

Frame 8 |  
2020-08-04T22:17:06.441653Z

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.10.10.10
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x01, (MS) Master
DD Sequence	90996981
🚩 Advertising Router	10.10.10.10
🚩 Advertising Router	10.10.10.10
🚩 Advertising Router	10.10.10.10

Frame 9 |  
2020-08-04T22:17:06.441984Z

🔍 OSPFv3 LS Request

🆔 Source OSPF Router	10.1.1.1
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
🚩 Advertising Router	10.10.10.10
🚩 Advertising Router	10.10.10.10
🚩 Advertising Router	10.10.10.10

Frame 10 |  
2020-08-04T22:17:06.446787Z

📄 OSPFv3 LS Update

🆔 Source OSPF Router	10.10.10.10
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
🚩 Advertising Router	10.10.10.10
📄 Sequence Number	0x80000003
LS Age (seconds)	48
🚩 Advertising Router	10.10.10.10
📄 Sequence Number	0x80000001
LS Age (seconds)	44
🚩 Advertising Router	10.10.10.10
📄 Sequence Number	0x80000002

Frame 11 |  
2020-08-04T22:17:06.447019Z

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.1.1.1
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Frame 12 |  
2020-08-04T22:17:06.447109Z

R10

R1

Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x00
DD Sequence	90996981

OSPFv3 LS Request

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1
Advertising Router	10.1.1.1...
	5 more

Frame 13 | 2020-08-04T22:17:06.447275Z

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	43
Advertising Router	10.1.1.1
Sequence Number	0x80000002
LS Age (seconds)	84
Advertising Router	10.1.1.1
Sequence Number	0x80000001
LS Age (seconds)	74
Advertising Router	10.1.1.1
Sequence Number	0x80000001
LS Age (seconds)	74
Advertising Router	10.1.1.1
Sequence Number	0x80000001...
	39 more

Frame 14 | 2020-08-04T22:17:06.447622Z

OSPFv3 LS Update

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.10.10.10
Sequence Number	0x80000004

Frame 15 | 2020-08-04T22:17:06.954286Z

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000003

Frame 16 | 2020-08-04T22:17:06.954823Z

OSPFv3 LS Update

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)

Frame 17 | 2020-08-04T22:17:06.995264Z

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LS Age (seconds)	1
Advertising Router	10.10.10.10
Sequence Number	0x80000003
LS Age (seconds)	1
Advertising Router	10.10.10.10
Sequence Number	0x80000001
LS Age (seconds)	1
Advertising Router	10.10.10.10
Sequence Number	0x80000001
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002...
	3 more

OSPFv3 Hello Packet

Frame 18 |  
2020-08-04T22:17:08.863653Z

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.10.10.10
Backup Designated Router	10.1.1.1
Active Neighbor	10.10.10.10

OSPFv3 LS Acknowledge

Frame 19 |  
2020-08-04T22:17:08.950752Z

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.10.10.10
Sequence Number	0x80000003
Advertising Router	10.10.10.10
Sequence Number	0x80000001
Advertising Router	10.10.10.10
Sequence Number	0x80000002
Advertising Router	10.10.10.10
Sequence Number	0x80000004
Advertising Router	10.10.10.10
Sequence Number	0x80000003
Advertising Router	10.10.10.10
Sequence Number	0x80000001...
	6 more

OSPFv3 LS Update

Frame 20 |  
2020-08-04T22:17:11.961389Z

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.10.10.10
Sequence Number	0x80000005

OSPFv3 LS Acknowledge

Frame 21 |  
2020-08-04T22:17:14.461753Z

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.10.10.10
Sequence Number	0x80000005

OSPFv3 Hello Packet

Frame 22 |  
2020-08-04T22:17:16.09513Z

Source OSPF Router	10.10.10.10
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10

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R1

Router Dead Interval [sec]	40
👑 Designated Router	10.10.10.10
👑 Backup Designated Router	10.1.1.1
👤 Active Neighbor	10.1.1.1

📡 OSPFv3 LS Update

🆔 Source OSPF Router	10.1.1.1
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
📡 Advertising Router	10.1.1.1
🔢 Sequence Number	0x80000004

📡 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.1.1.1
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	10.10.10.10
👑 Backup Designated Router	10.1.1.1
👤 Active Neighbor	10.10.10.10

✅ OSPFv3 LS Acknowledge

🆔 Source OSPF Router	10.10.10.10
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
📡 Advertising Router	10.1.1.1
🔢 Sequence Number	0x80000004

📡 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.10.10.10
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	10.10.10.10
👑 Backup Designated Router	10.1.1.1
👤 Active Neighbor	10.1.1.1

📡 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.1.1.1
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	10.10.10.10
👑 Backup Designated Router	10.1.1.1
👤 Active Neighbor	10.10.10.10

📡 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.10.10.10
🏠 Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	10.10.10.10
👑 Backup Designated Router	10.1.1.1
👤 Active Neighbor	10.1.1.1

Frame 23 |  
2020-08-04T22:17:16.613192Z

Frame 24 |  
2020-08-04T22:17:18.828717Z

Frame 25 |  
2020-08-04T22:17:19.116596Z

Frame 26 |  
2020-08-04T22:17:25.152901Z

Frame 27 |  
2020-08-04T22:17:27.937891Z

Frame 28 |  
2020-08-04T22:17:34.610392Z

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R1

OSPFv3 Hello Packet

Frame 29 |  
2020-08-04T22:17:37.339583Z

Source OSPF Router	10.1.1.1
Area ID	0.0.0.6
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.10.10.10
Backup Designated Router	10.1.1.1
Active Neighbor	10.10.10.10