

R4

AllSPFRouters

R8

ospfv3_v4_stub_init.pcapng

OSPFv3 Hello Packet

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0

Frame 1 |
2020-08-04T21:56:10.608907Z

OSPFv3 Hello Packet

Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0

Frame 2 |
2020-08-04T21:56:13.812629Z

OSPFv3 Hello Packet

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.8.8.8

Frame 3 |
2020-08-04T21:56:13.817874Z

OSPFv3 DB Description

Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000110, AF, R
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	111689306

Frame 4 |
2020-08-04T21:56:13.818036Z

OSPFv3 Hello Packet

Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.4.4.4

Frame 5 |
2020-08-04T21:56:13.818087Z

OSPFv3 DB Description

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000110, AF, R
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	485773869

Frame 6 |
2020-08-04T21:56:13.82384Z

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OSPFv3 DB Description

Frame 7 |
2020-08-04T21:56:13.82408Z

ID	Source OSPF Router	10.4.4.4
Area ID	Area ID	0.0.0.4
Instance ID	Instance ID	Base IPv4 Unicast AF (64)
Options	Options	0x000110, AF, R
Interface MTU	Interface MTU	1500
DB Description	DB Description	0x02, (M) More
DD Sequence	DD Sequence	111689306
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4
Advertising Router	Advertising Router	10.4.4.4...
		9 more

OSPFv3 DB Description

Frame 8 |
2020-08-04T21:56:13.824278Z

ID	Source OSPF Router	10.8.8.8
Area ID	Area ID	0.0.0.4
Instance ID	Instance ID	Base IPv4 Unicast AF (64)
Options	Options	0x000110, AF, R
Interface MTU	Interface MTU	1500
DB Description	DB Description	0x01, (MS) Master
DD Sequence	DD Sequence	111689307
Advertising Router	Advertising Router	10.8.8.8
Advertising Router	Advertising Router	10.8.8.8
Advertising Router	Advertising Router	10.8.8.8

OSPFv3 LS Request

Frame 9 |
2020-08-04T21:56:13.82942Z

ID	Source OSPF Router	10.4.4.4
Area ID	Area ID	0.0.0.4
Instance ID	Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	Advertising Router	10.8.8.8
Advertising Router	Advertising Router	10.8.8.8
Advertising Router	Advertising Router	10.8.8.8

OSPFv3 LS Update

Frame 10 |
2020-08-04T21:56:13.829776Z

ID	Source OSPF Router	10.8.8.8
Area ID	Area ID	0.0.0.4
Instance ID	Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	LS Age (seconds)	2
Advertising Router	Advertising Router	10.8.8.8
Sequence Number	Sequence Number	0x80000001
LS Age (seconds)	LS Age (seconds)	1
Advertising Router	Advertising Router	10.8.8.8
Sequence Number	Sequence Number	0x80000001
LS Age (seconds)	LS Age (seconds)	2
Advertising Router	Advertising Router	10.8.8.8
Sequence Number	Sequence Number	0x80000001

OSPFv3 DB Description

Frame 11 |
2020-08-04T21:56:13.829898Z

ID	Source OSPF Router	10.4.4.4
Area ID	Area ID	0.0.0.4
Instance ID	Instance ID	Base IPv4 Unicast AF (64)
Options	Options	0x000110, AF, R
Interface MTU	Interface MTU	1500
DB Description	DB Description	0x00
DD Sequence	DD Sequence	111689307

OSPFv3 LS Request

Frame 12 |
2020-08-04T21:56:13.830006Z

ID	Source OSPF Router	10.8.8.8
Area ID	Area ID	0.0.0.4
Instance ID	Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	Advertising Router	10.4.4.4

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Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4...
	5 more

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	956
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	956
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	956
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	946
Advertising Router	10.4.4.4
Sequence Number	0x80000001...
	39 more

Frame 13 | 2020-08-04T21:56:13.830599Z

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000002

Frame 14 | 2020-08-04T21:56:14.348726Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.8.8.8
Sequence Number	0x80000001
Advertising Router	10.8.8.8
Sequence Number	0x80000001
Advertising Router	10.8.8.8
Sequence Number	0x80000001

Frame 15 | 2020-08-04T21:56:16.331148Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.4.4.4
Sequence Number	0x80000001...

Frame 16 | 2020-08-04T21:56:16.331364Z

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24 more

← OSPFv3 LS Update

ID Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.8.8.8
Sequence Number	0x80000002
LS Age (seconds)	1
Advertising Router	10.8.8.8
Sequence Number	0x80000002

Frame 17 |
2020-08-04T21:56:17.582763Z

✓ OSPFv3 LS Acknowledge

→

ID Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.8.8.8
Sequence Number	0x80000002
Advertising Router	10.8.8.8
Sequence Number	0x80000002

Frame 18 |
2020-08-04T21:56:20.088029Z

👋 OSPFv3 Hello Packet

→

ID Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.8.8.8

Frame 19 |
2020-08-04T21:56:20.108086Z

👋 OSPFv3 Hello Packet

←

ID Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.4.4.4

Frame 20 |
2020-08-04T21:56:23.462466Z

👋 OSPFv3 Hello Packet

→

ID Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.8.8.8

Frame 21 |
2020-08-04T21:56:29.203062Z

👋 OSPFv3 Hello Packet

←



ID Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000110, AF, R
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0

Frame 22 |
2020-08-04T21:56:32.713308Z

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 Backup Designated Router	0.0.0.0
 Active Neighbor	10.4.4.4