

R4

AllSPFRouters

R8

ospfv3\_v6\_stub\_init.pcapng

👋 OSPFv3 Hello Packet

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000011, R, V6
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

Frame 1 |  
2020-08-04T21:56:06.146732Z

👋 OSPFv3 Hello Packet

ID Source OSPF Router	10.8.8.8
🏠 Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000011, R, V6
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

Frame 2 |  
2020-08-04T21:56:13.812589Z

👋 OSPFv3 Hello Packet

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000011, R, V6
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 |  
2020-08-04T21:56:15.344314Z

📄 OSPFv3 DB Description

ID Source OSPF Router	10.8.8.8
🏠 Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000011, R, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	525635896

Frame 4 |  
2020-08-04T21:56:15.344546Z

👋 OSPFv3 Hello Packet

ID Source OSPF Router	10.8.8.8
🏠 Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000011, R, V6
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 |  
2020-08-04T21:56:15.344633Z

📄 OSPFv3 DB Description

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000011, R, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	174543643

Frame 6 |  
2020-08-04T21:56:15.34496Z

R4

AllSPFRouters

R8

OSPFv3 DB Description

ID Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000011, R, V6
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	525635896
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...
	12 more

Frame 7 |  
2020-08-04T21:56:15.345024Z

OSPFv3 DB Description

ID Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000011, R, V6
Interface MTU	1500
DB Description	0x01, (MS) Master
DD Sequence	525635897
Advertising Router	10.8.8.8
Advertising Router	10.8.8.8
Advertising Router	10.8.8.8

Frame 8 |  
2020-08-04T21:56:15.345169Z

OSPFv3 LS Request

ID Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.8.8.8
Advertising Router	10.8.8.8
Advertising Router	10.8.8.8

Frame 9 |  
2020-08-04T21:56:15.345402Z

OSPFv3 DB Description

ID Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000011, R, V6
Interface MTU	1500
DB Description	0x00
DD Sequence	525635897

Frame 10 |  
2020-08-04T21:56:15.34542Z

OSPFv3 LS Update

ID Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	3
Advertising Router	10.8.8.8
Sequence Number	0x80000001
LS Age (seconds)	2
Advertising Router	10.8.8.8
Sequence Number	0x80000001
LS Age (seconds)	3
Advertising Router	10.8.8.8
Sequence Number	0x80000001

Frame 11 |  
2020-08-04T21:56:15.345505Z

OSPFv3 LS Request

ID Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.4.4.4

Frame 12 |  
2020-08-04T21:56:15.345557Z

R4

AllSPFRouters

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Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
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...
	8 more

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	957
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	958
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	958
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	938
Advertising Router	10.4.4.4
Sequence Number	0x80000002...
	48 more

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000002

OSPFv3 LS Update

Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
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

OSPFv3 LS Acknowledge

Source OSPF Router	10.8.8.8
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
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	0x80000002
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.4.4.4
Sequence Number	0x80000001...

Frame 13 | 2020-08-04T21:56:15.345767Z

Frame 14 | 2020-08-04T21:56:15.859483Z

Frame 15 | 2020-08-04T21:56:17.582066Z

Frame 16 | 2020-08-04T21:56:17.84673Z

**R4**

**AllSPFRouters**

**R8**

30 more

✓ OSPFv3 LS Acknowledge

ID	Source OSPF Router	10.4.4.4
🏠	Area ID	0.0.0.4
	Instance ID	Base IPv6 Unicast AF (0)
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000001
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000001
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000001
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000002
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000002

Frame 17 |  
2020-08-04T21:56:17.847008Z

🚩 OSPFv3 LS Update

ID	Source OSPF Router	10.8.8.8
🏠	Area ID	0.0.0.4
	Instance ID	Base IPv6 Unicast AF (0)
	LS Age (seconds)	1
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000002

Frame 18 |  
2020-08-04T21:56:18.831865Z

✓ OSPFv3 LS Acknowledge

ID	Source OSPF Router	10.4.4.4
🏠	Area ID	0.0.0.4
	Instance ID	Base IPv6 Unicast AF (0)
🚩	Advertising Router	10.8.8.8
1 2 3 4	Sequence Number	0x80000002

Frame 19 |  
2020-08-04T21:56:21.341869Z

👋 OSPFv3 Hello Packet

ID	Source OSPF Router	10.8.8.8
🏠	Area ID	0.0.0.4
	Instance ID	Base IPv6 Unicast AF (0)
	Router Priority	1
	Options	0x000011, R, V6
	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 |  
2020-08-04T21:56:23.172898Z

👋 OSPFv3 Hello Packet

ID	Source OSPF Router	10.4.4.4
🏠	Area ID	0.0.0.4
	Instance ID	Base IPv6 Unicast AF (0)
	Router Priority	1
	Options	0x000011, R, V6
	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 |  
2020-08-04T21:56:24.689448Z

👋 OSPFv3 Hello Packet

ID	Source OSPF Router	10.8.8.8
🏠	Area ID	0.0.0.4
	Instance ID	Base IPv6 Unicast AF (0)
	Router Priority	1
	Options	0x000011, R, V6
	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 22 |  
2020-08-04T21:56:33.099014Z

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AllSPFRouters

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OSPFv3 Hello Packet

Source OSPF Router	10.4.4.4
Area ID	0.0.0.4
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000011, R, V6
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 23 |  
2020-08-04T21:56:34.685144Z