



ospfv3\_v6\_net\_p2mp.pcapng

👋 OSPFv3 Hello Packet

Frame 1 |  
2020-08-04T22:11:49.660905Z

ID Source OSPF Router	10.3.3.3
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

👋 OSPFv3 Hello Packet

Frame 2 |  
2020-08-04T22:12:08.492317Z

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.3.3.3

👋 OSPFv3 Hello Packet

Frame 3 |  
2020-08-04T22:12:18.259055Z

ID Source OSPF Router	10.3.3.3
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.4.4.4

👋 OSPFv3 Hello Packet

Frame 4 |  
2020-08-04T22:12:27.473537Z

ID Source OSPF Router	10.9.9.9
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

📄 OSPFv3 LS Update

Frame 5 |  
2020-08-04T22:12:34.630743Z

ID Source OSPF Router	10.3.3.3
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	1
🚩 Advertising Router	10.3.3.3
📄 Sequence Number	0x80000001
LS Age (seconds)	1
🚩 Advertising Router	10.3.3.3
📄 Sequence Number	0x80000002
LS Age (seconds)	1
🚩 Advertising Router	10.3.3.3
📄 Sequence Number	0x80000001

👋 OSPFv3 Hello Packet

Frame 6 |  
2020-08-04T22:12:37.89171Z

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)

R3

AllSPFRouters

R4

R9

Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.3.3.3
👤 Active Neighbor	10.9.9.9

OSPFv3 DB Description

ID Source OSPF Router	10.9.9.9
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	160197718

Frame 7 |  
2020-08-04T22:12:37.893744Z

OSPFv3 Hello Packet

ID Source OSPF Router	10.9.9.9
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.4.4.4

Frame 8 |  
2020-08-04T22:12:37.89469Z

OSPFv3 DB Description

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	379001878

Frame 9 |  
2020-08-04T22:12:37.895691Z

OSPFv3 DB Description

ID Source OSPF Router	10.4.4.4
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	160197718
👤 Advertising Router	10.3.3.3
👤 Advertising Router	10.4.4.4
👤 Advertising Router	10.3.3.3
👤 Advertising Router	10.3.3.3
👤 Advertising Router	10.3.3.3
👤 Advertising Router	10.3.3.3
👤 Advertising Router	10.3.3.3
👤 Advertising Router	10.3.3.3...
	11 more

Frame 10 |  
2020-08-04T22:12:37.896733Z

OSPFv3 DB Description

ID Source OSPF Router	10.9.9.9
🏠 Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x01, (MS) Master
DD Sequence	160197719
👤 Advertising Router	10.9.9.9

Frame 11 |  
2020-08-04T22:12:37.897729Z

R3

AllSPFRouters

R4

R9

Advertising Router	10.9.9.9
Advertising Router	10.9.9.9

OSPFv3 LS Request

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.9.9.9
Advertising Router	10.9.9.9
Advertising Router	10.9.9.9

Frame 12 |  
2020-08-04T22:12:37.899685Z

OSPFv3 DB Description

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x00
DD Sequence	160197719

Frame 13 |  
2020-08-04T22:12:37.900689Z

OSPFv3 LS Update

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	7
Advertising Router	10.9.9.9
Sequence Number	0x80000002
LS Age (seconds)	6
Advertising Router	10.9.9.9
Sequence Number	0x80000002
LS Age (seconds)	7
Advertising Router	10.9.9.9
Sequence Number	0x80000002

Frame 14 |  
2020-08-04T22:12:37.902668Z

OSPFv3 LS Request

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.3.3.3
Advertising Router	10.4.4.4
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4
Advertising Router	10.4.4.4...
	7 more

Frame 15 |  
2020-08-04T22:12:37.902668Z

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	49
Advertising Router	10.3.3.3
Sequence Number	0x80000001
LS Age (seconds)	48
Advertising Router	10.4.4.4
Sequence Number	0x80000002
LS Age (seconds)	50
Advertising Router	10.3.3.3
Sequence Number	0x80000001
LS Age (seconds)	40

Frame 16 |  
2020-08-04T22:12:37.904664Z

R3

AllSPFRouters

R4

R9

Advertising Router	10.3.3.3
Sequence Number	0x80000001...
	45 more

OSPFv3 LS Update

Frame 17 |  
2020-08-04T22:12:37.904664Z

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	8
Advertising Router	10.9.9.9
Sequence Number	0x80000002
LS Age (seconds)	8
Advertising Router	10.9.9.9
Sequence Number	0x80000002

OSPFv3 LS Acknowledge

Frame 18 |  
2020-08-04T22:12:37.906658Z

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.9.9.9
Sequence Number	0x80000002
Advertising Router	10.9.9.9
Sequence Number	0x80000002

OSPFv3 LS Update

Frame 19 |  
2020-08-04T22:12:38.415993Z

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	1
Advertising Router	10.9.9.9
Sequence Number	0x80000003

OSPFv3 LS Update

Frame 20 |  
2020-08-04T22:12:38.418006Z

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000003

OSPFv3 LS Update

Frame 21 |  
2020-08-04T22:12:38.458147Z

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	2
Advertising Router	10.9.9.9
Sequence Number	0x80000003

OSPFv3 LS Acknowledge

Frame 22 |  
2020-08-04T22:12:40.404254Z

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.9.9.9
Sequence Number	0x80000002
Advertising Router	10.9.9.9
Sequence Number	0x80000002
Advertising Router	10.9.9.9
Sequence Number	0x80000002
Advertising Router	10.9.9.9
Sequence Number	0x80000003

OSPFv3 LS Acknowledge

Frame 23 |  
2020-08-04T22:12:40.406243Z

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.3.3.3
Sequence Number	0x80000001

R3      AllSPFRouters      R4      R9

Advertising Router	10.4.4.4
Sequence Number	0x80000002
Advertising Router	10.3.3.3
Sequence Number	0x80000001
Advertising Router	10.3.3.3
Sequence Number	0x80000001
Advertising Router	10.3.3.3
Sequence Number	0x80000001
Advertising Router	10.3.3.3
Sequence Number	0x80000001...
28 more	

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000001
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000002
LS Age (seconds)	1
Advertising Router	10.4.4.4
Sequence Number	0x80000001

Frame 24 | 2020-08-04T22:12:44.639555Z

OSPFv3 Hello Packet

Source OSPF Router	10.3.3.3
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.4.4.4
Active Neighbor	10.9.9.9

Frame 25 | 2020-08-04T22:12:45.795599Z

OSPFv3 DB Description

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	729915286

Frame 26 | 2020-08-04T22:12:45.796604Z

OSPFv3 Hello Packet

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	30
Router Dead Interval [sec]	120
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.3.3.3
Active Neighbor	10.4.4.4

Frame 27 | 2020-08-04T22:12:45.796604Z

OSPFv3 DB Description

Source OSPF Router	10.3.3.3
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Frame 28 | 2020-08-04T22:12:45.79759Z

R3

AllSPFRouters

R4

R9

Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	39811683

OSPFv3 DB Description

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	729915286
Advertising Router	10.3.3.3
Advertising Router	10.4.4.4
Advertising Router	10.9.9.9
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3
Advertising Router	10.3.3.3...
	16 more

OSPFv3 DB Description

ID Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x01, (MS) Master
DD Sequence	729915287
Advertising Router	10.3.3.3
Advertising Router	10.9.9.9

OSPFv3 LS Request

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.9.9.9

OSPFv3 DB Description

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x00
DD Sequence	729915287

OSPFv3 LS Update

ID Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	14
Advertising Router	10.9.9.9
Sequence Number	0x80000002

OSPFv3 LS Request

ID Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.3.3.3

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
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Frame 29 | 2020-08-04T22:12:45.79759Z

Frame 30 | 2020-08-04T22:12:45.79759Z

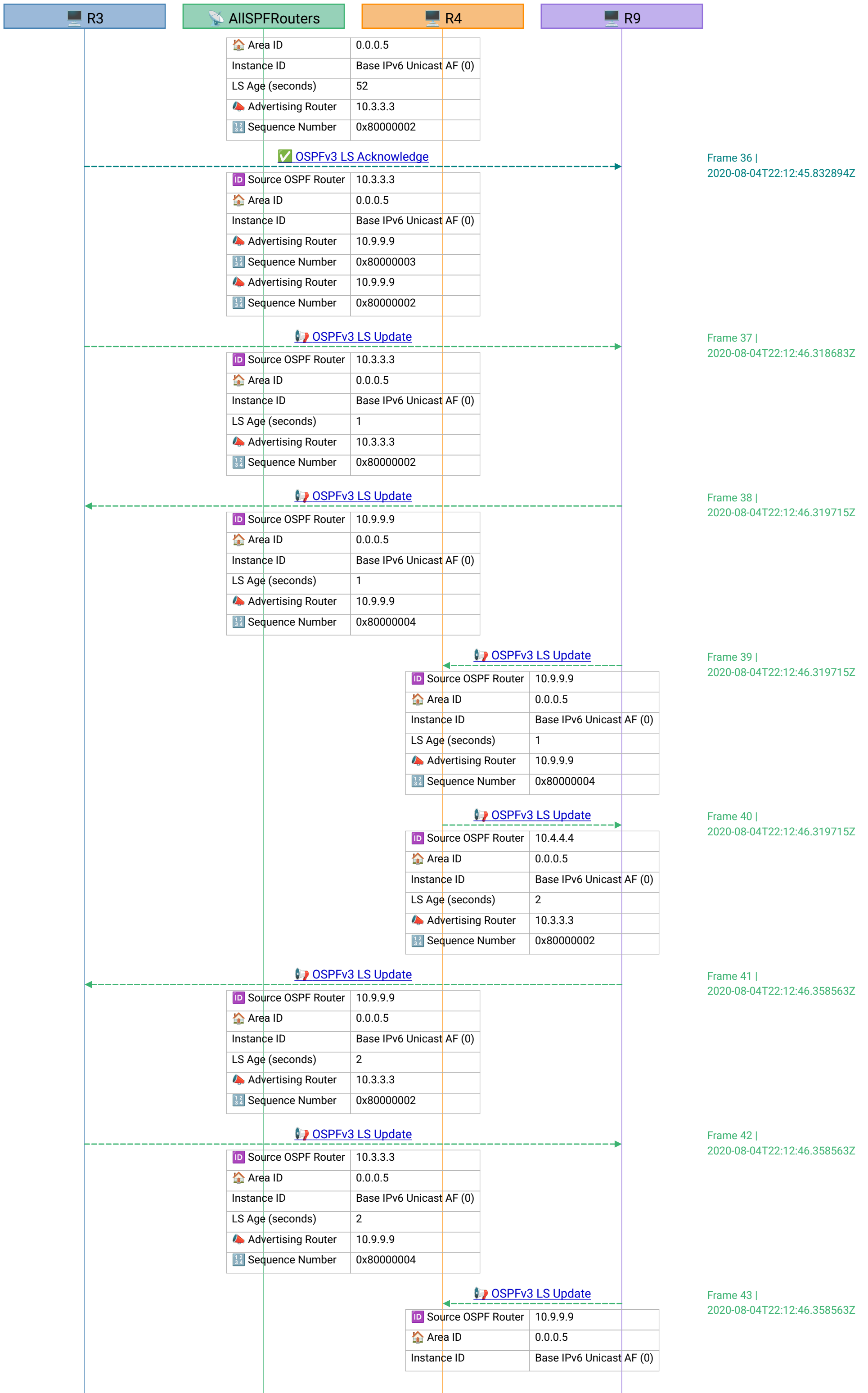
Frame 31 | 2020-08-04T22:12:45.798589Z

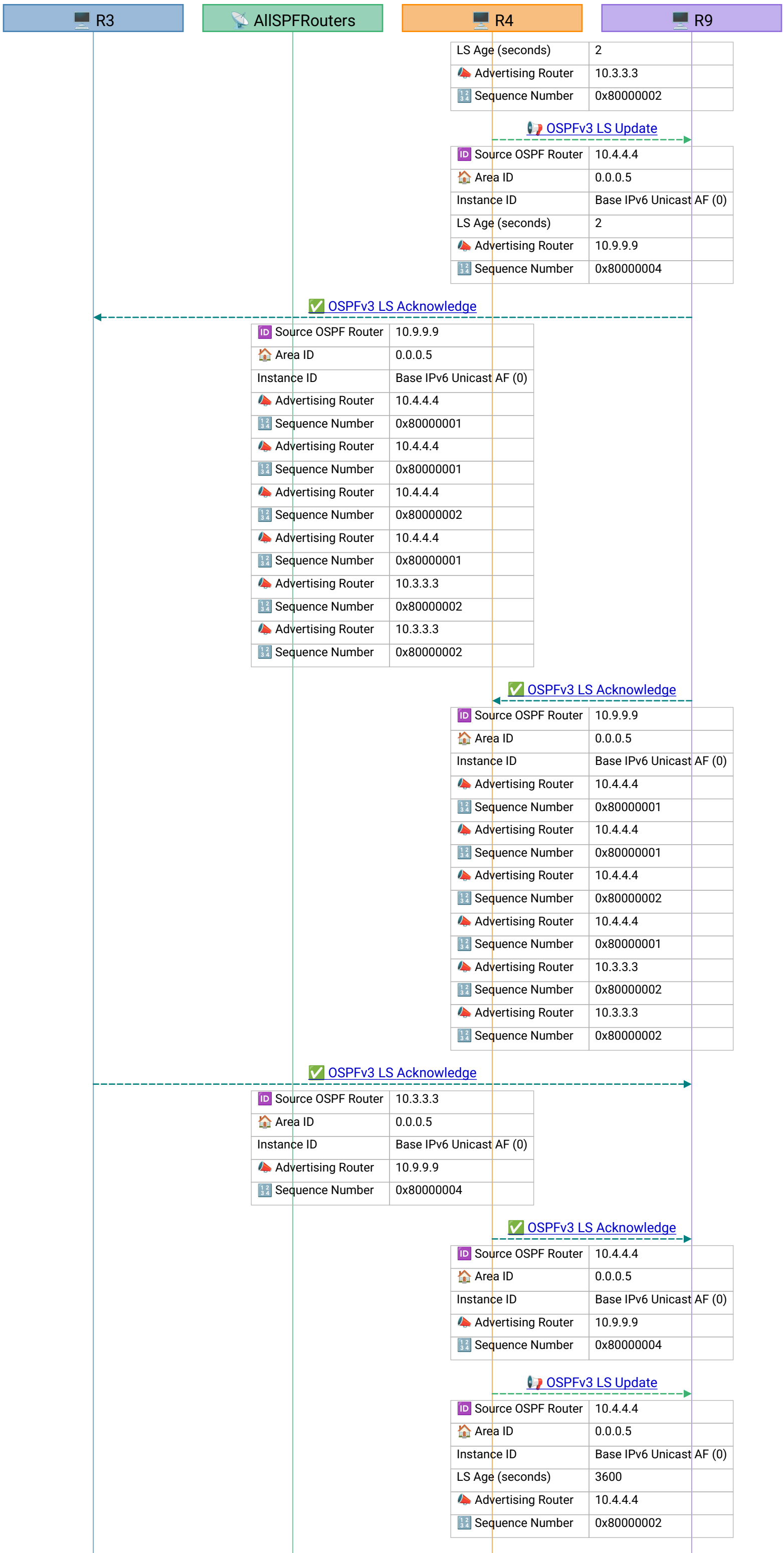
Frame 32 | 2020-08-04T22:12:45.798589Z

Frame 33 | 2020-08-04T22:12:45.799585Z

Frame 34 | 2020-08-04T22:12:45.799585Z

Frame 35 | 2020-08-04T22:12:45.800583Z





LS Age (seconds)	2
Advertising Router	10.3.3.3
Sequence Number	0x80000002

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	2
Advertising Router	10.9.9.9
Sequence Number	0x80000004

Frame 44 |  
2020-08-04T22:12:46.358563Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
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	0x80000002
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.3.3.3
Sequence Number	0x80000002
Advertising Router	10.3.3.3
Sequence Number	0x80000002

Frame 45 |  
2020-08-04T22:12:47.141155Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.9.9.9
Area ID	0.0.0.5
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	0x80000002
Advertising Router	10.4.4.4
Sequence Number	0x80000001
Advertising Router	10.3.3.3
Sequence Number	0x80000002
Advertising Router	10.3.3.3
Sequence Number	0x80000002

Frame 46 |  
2020-08-04T22:12:47.141155Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.3.3.3
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.9.9.9
Sequence Number	0x80000004

Frame 47 |  
2020-08-04T22:12:48.829957Z

OSPFv3 LS Acknowledge

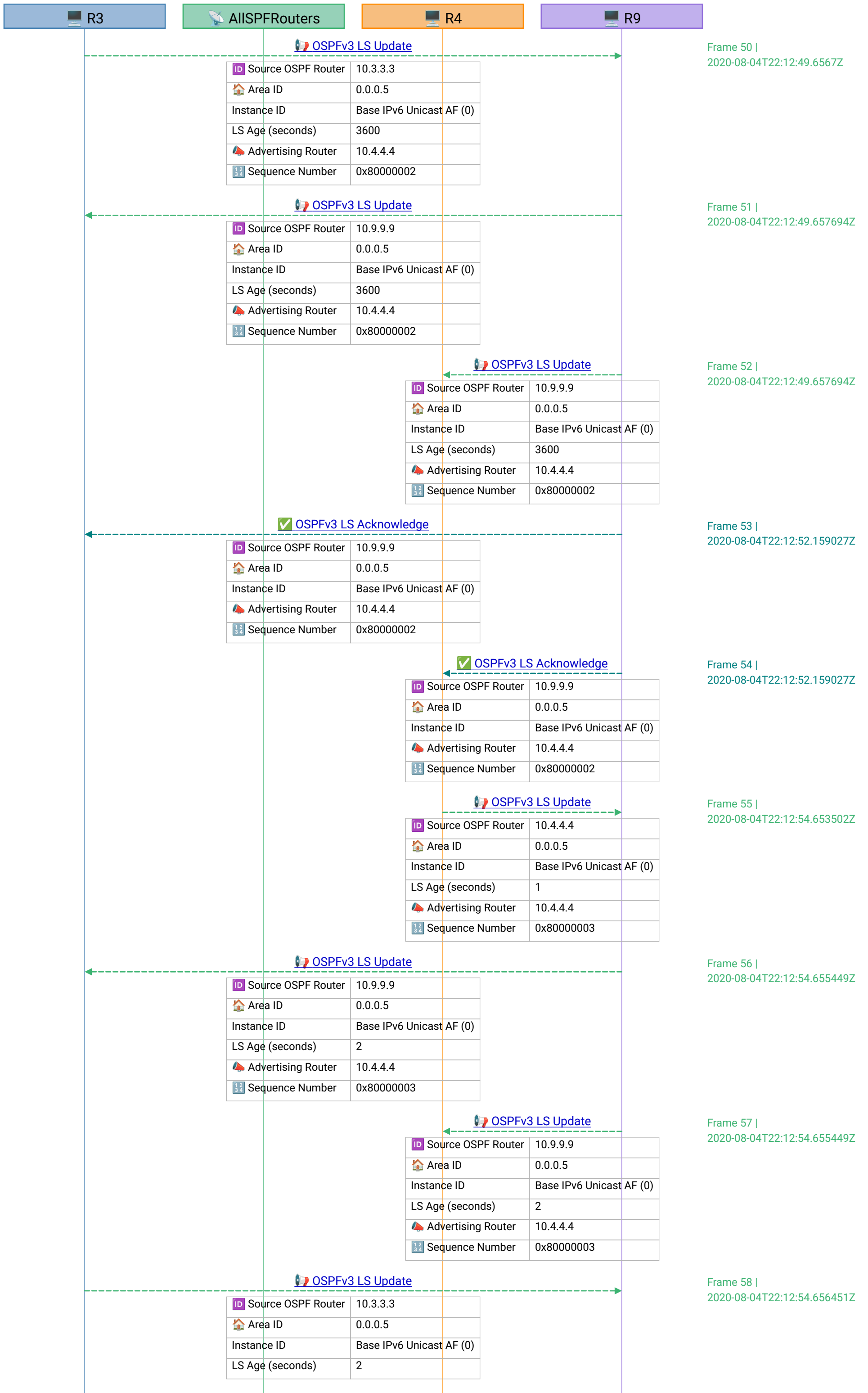
Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
Advertising Router	10.9.9.9
Sequence Number	0x80000004

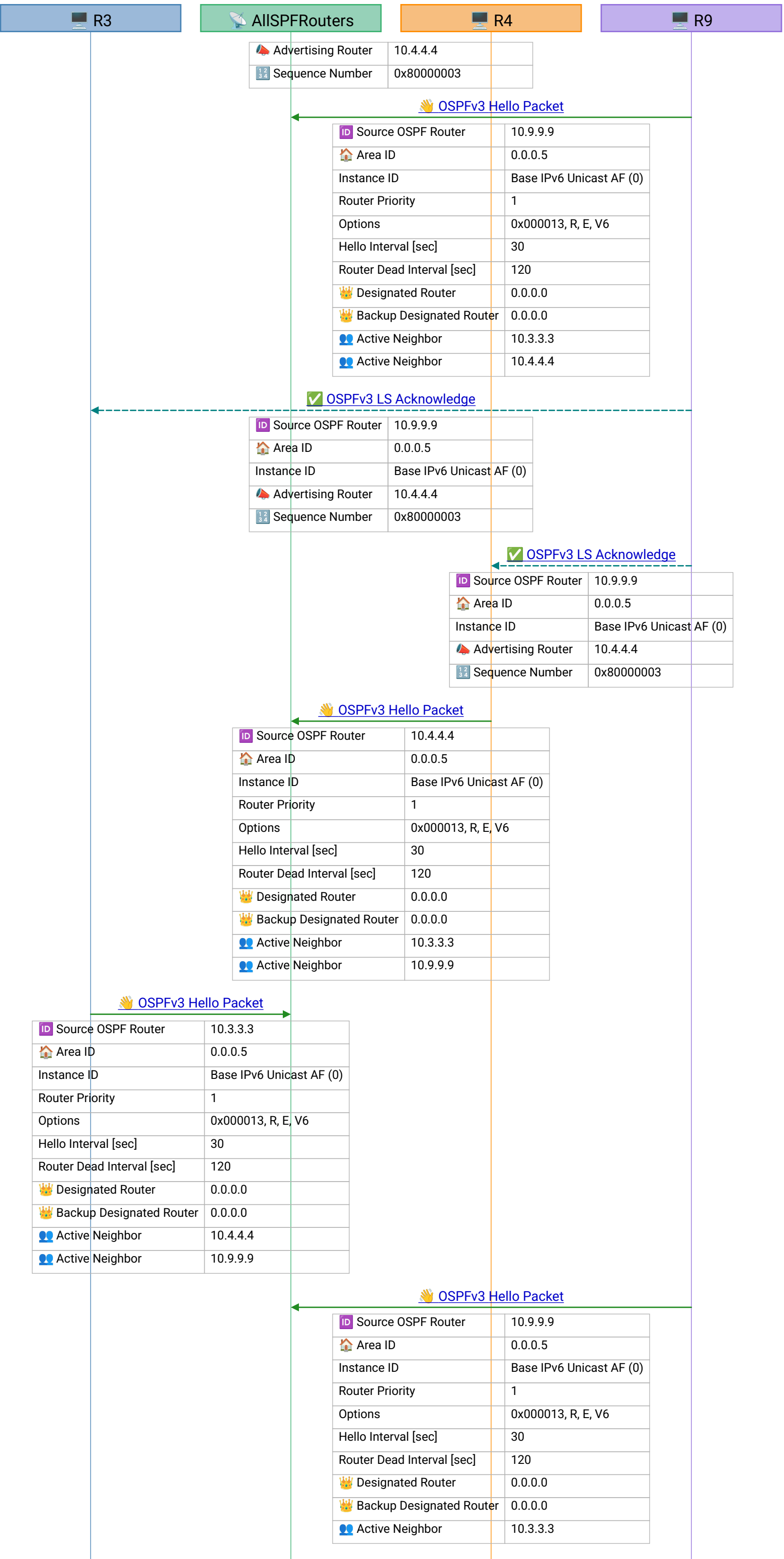
Frame 48 |  
2020-08-04T22:12:48.829957Z

OSPFv3 LS Update

Source OSPF Router	10.4.4.4
Area ID	0.0.0.5
Instance ID	Base IPv6 Unicast AF (0)
LS Age (seconds)	3600
Advertising Router	10.4.4.4
Sequence Number	0x80000002

Frame 49 |  
2020-08-04T22:12:49.655706Z





Frame 59 |  
2020-08-04T22:12:55.11005Z

Frame 60 |  
2020-08-04T22:12:57.1537Z

Frame 61 |  
2020-08-04T22:12:57.1537Z

Frame 62 |  
2020-08-04T22:13:07.470073Z

Frame 63 |  
2020-08-04T22:13:14.838675Z

Frame 64 |  
2020-08-04T22:13:22.960681Z

