

R3

AllSPFRouters

R1

AllIDRouters

ospfv3_v4_flood_war.pcapng

OSPFv3 Hello Packet

ID	Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)	
Instance ID	Base IPv4 Unicast AF (64)	
Router Priority	33	
Options	0x000112, AF, R, E	
Hello Interval [sec]	10	
Router Dead Interval [sec]	40	
Designated Router	10.3.3.3	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.1.1.1	

Frame 1 |
2020-08-05T13:06:06.277902Z

OSPFv3 Hello Packet

ID	Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)	
Instance ID	Base IPv4 Unicast AF (64)	
Router Priority	0	
Options	0x000112, AF, R, E	
Hello Interval [sec]	10	
Router Dead Interval [sec]	40	
Designated Router	10.3.3.3	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.3.3.3	

Frame 2 |
2020-08-05T13:06:07.952389Z

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)	
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)	3600	
Advertising Router	10.2.2.2	
Sequence Number	0x8000000e	
LS Age (seconds)	3600	
Advertising Router	10.2.2.2	
Sequence Number	0x80000004	
LS Age (seconds)	3600	
Advertising Router	10.2.2.2	
Sequence Number	0x80000004	
LS Age (seconds)	3600	
Advertising Router	10.2.2.2	
Sequence Number	0x80000006	

Frame 3 |
2020-08-05T13:06:13.148463Z

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)	
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)	3600	
Advertising Router	10.1.1.1	
Sequence Number	0x80000005	
LS Age (seconds)	3600	
Advertising Router	10.1.1.1	
Sequence Number	0x80000005	
LS Age (seconds)	3600	
Advertising Router	10.1.1.1	
Sequence Number	0x80000005	
LS Age (seconds)	3600	
Advertising Router	10.1.1.1	
Sequence Number	0x80000004...	
	3 more	

Frame 4 |
2020-08-05T13:06:13.259037Z

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)	
Instance ID	Base IPv4 Unicast AF (64)	

Frame 5 |
2020-08-05T13:06:13.269051Z

R3

AllSPFRouters

R1

AllIDRouters

LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000006
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000006
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000006
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000005...
	3 more

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3
Advertising Router	10.1.1.1
Sequence Number	0x8000000f

Frame 6 | 2020-08-05T13:06:13.696069Z

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000010

Frame 7 | 2020-08-05T13:06:13.69706Z

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	2
Advertising Router	10.4.4.4
Sequence Number	0x80000004

Frame 8 | 2020-08-05T13:06:13.780229Z

OSPFv3 Hello Packet

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	33
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.3.3.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.1.1.1

Frame 9 | 2020-08-05T13:06:15.41441Z

OSPFv3 LS Acknowledge

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.2.2.2
Sequence Number	0x8000000e
Advertising Router	10.2.2.2
Sequence Number	0x80000004
Advertising Router	10.2.2.2
Sequence Number	0x80000004
Advertising Router	10.2.2.2
Sequence Number	0x80000006
Advertising Router	10.1.1.1
Sequence Number	0x80000005
Advertising Router	10.1.1.1
Sequence Number	0x80000005...

Frame 10 | 2020-08-05T13:06:15.649286Z

R3 AllSPFRouters R1 AllIDRouters

10 more

OSPFv3 Hello Packet

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	0
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	10.3.3.3
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.3.3.3

Frame 11 |
2020-08-05T13:06:17.144493Z

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	5
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
	LS Age (seconds)	5
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
	LS Age (seconds)	5
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
	LS Age (seconds)	5
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005...
		3 more

Frame 12 |
2020-08-05T13:06:18.151059Z

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	6
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
	LS Age (seconds)	6
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
	LS Age (seconds)	6
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
	LS Age (seconds)	6
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005...
		3 more

Frame 13 |
2020-08-05T13:06:18.152055Z

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	5
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000010

Frame 14 |
2020-08-05T13:06:18.417901Z

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	6
📡	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000010

Frame 15 |
2020-08-05T13:06:18.428527Z

OSPFv3 LS Update

Frame 16 |
2020-08-05T13:06:23.155034Z

R3

AllSPFRouters

R1

AllIDRouters

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)		7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000009
LS Age (seconds)		3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006
LS Age (seconds)		3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)		7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000011

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)		3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007
LS Age (seconds)		3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007
LS Age (seconds)		3
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000001
LS Age (seconds)		3
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000001

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)		1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000a
LS Age (seconds)		1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007
LS Age (seconds)		1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000006

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)		1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000012

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)	
LS Age (seconds)		1
🚩	Advertising Router	10.1.1.1

Frame 17 |
2020-08-05T13:06:23.157059Z

Frame 18 |
2020-08-05T13:06:23.244919Z

Frame 19 |
2020-08-05T13:06:23.252273Z

Frame 20 |
2020-08-05T13:06:23.287222Z

Frame 21 |
2020-08-05T13:06:23.297447Z

R3

AllSPFRouters

R1

AllIDRouters

Sequence Number	0x80000008
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002

OSPFv3 Hello Packet

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	33
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.3.3.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.1.1.1

Frame 22 | 2020-08-05T13:06:25.217027Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.1.1.1
Sequence Number	0x80000009
Advertising Router	10.1.1.1
Sequence Number	0x80000006
Advertising Router	10.1.1.1
Sequence Number	0x80000005
Advertising Router	10.1.1.1
Sequence Number	0x80000011
Advertising Router	10.1.1.1
Sequence Number	0x80000007
Advertising Router	10.1.1.1
Sequence Number	0x80000007...
4 more	

Frame 23 | 2020-08-05T13:06:25.661743Z

OSPFv3 Hello Packet

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	0
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.3.3.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.3.3.3

Frame 24 | 2020-08-05T13:06:26.312113Z

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000a
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x80000006

Frame 25 | 2020-08-05T13:06:27.980728Z

R3

AllSPFRouters

R1

AllDRouters

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000a
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000006

Frame 26 |
2020-08-05T13:06:27.989713Z

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x80000012

Frame 27 |
2020-08-05T13:06:28.049538Z

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000012

Frame 28 |
2020-08-05T13:06:28.060107Z

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002

Frame 29 |
2020-08-05T13:06:28.294881Z

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000002

Frame 30 |
2020-08-05T13:06:28.305858Z

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
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Frame 31 |
2020-08-05T13:06:32.724377Z

R3

AllSPFRouters

R1

AllIDRouters

Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x8000000b
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000006

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000013

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000003
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000003

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000007

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000014

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000003
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000003

Frame 32 | 2020-08-05T13:06:32.734781Z

Frame 33 | 2020-08-05T13:06:32.935736Z

Frame 34 | 2020-08-05T13:06:32.945963Z

Frame 35 | 2020-08-05T13:06:33.026413Z

Frame 36 | 2020-08-05T13:06:33.036074Z

Frame 37 | 2020-08-05T13:06:33.341995Z

R3

AllSPFRouters

R1

AllIDRouters

Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000009
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000009

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x8000000a
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x8000000a

Frame 38 | 2020-08-05T13:06:33.351705Z

OSPFv3 Hello Packet

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	33
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.3.3.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.1.1.1

Frame 39 | 2020-08-05T13:06:34.39508Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.1.1.1
Sequence Number	0x8000000b
Advertising Router	10.1.1.1
Sequence Number	0x80000007
Advertising Router	10.1.1.1
Sequence Number	0x80000006
Advertising Router	10.1.1.1
Sequence Number	0x80000013
Advertising Router	10.1.1.1
Sequence Number	0x80000003
Advertising Router	10.1.1.1
Sequence Number	0x80000003...
4 more	

Frame 40 | 2020-08-05T13:06:35.229852Z

OSPFv3 Hello Packet

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	0
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	10.3.3.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.3.3.3

Frame 41 | 2020-08-05T13:06:36.300519Z

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	5

Frame 42 | 2020-08-05T13:06:37.549429Z

R3

AllSPFRouters

R1

AllIDRouters

Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x80000014

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000014

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000003
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000003

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	11
Advertising Router	10.1.1.1
Sequence Number	0x80000003
LS Age (seconds)	11
Advertising Router	10.1.1.1
Sequence Number	0x80000003

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000004
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000004

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)

Frame 43 | 2020-08-05T13:06:37.560402Z

Frame 44 | 2020-08-05T13:06:37.68515Z

Frame 45 | 2020-08-05T13:06:37.686182Z

Frame 46 | 2020-08-05T13:06:38.040499Z

Frame 47 | 2020-08-05T13:06:38.052318Z

R3

AllSPFRouters

R1

AllIDRouters

LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000004
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000004

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000a
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000a

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000a
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000a

OSPFv3 LS Acknowledge

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.1.1.1
Sequence Number	0x80000003
Advertising Router	10.1.1.1
Sequence Number	0x80000003

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x8000000d
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000009
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000015

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x8000000e
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x8000000a
LS Age (seconds)	1

Frame 48 | 2020-08-05T13:06:38.128896Z

Frame 49 | 2020-08-05T13:06:38.137924Z

Frame 50 | 2020-08-05T13:06:40.188729Z

Frame 51 | 2020-08-05T13:06:42.360247Z

Frame 52 | 2020-08-05T13:06:42.370783Z

R3

AllSPFRouters

R1

AllIDRouters

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000b
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000b

OSPFv3 Hello Packet

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	33
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	10.3.3.3
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.1.1.1

🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000009
	LS Age (seconds)	1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000016

Frame 53 |
2020-08-05T13:06:42.671953Z

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000005

Frame 54 |
2020-08-05T13:06:43.038188Z

OSPFv3 LS Update

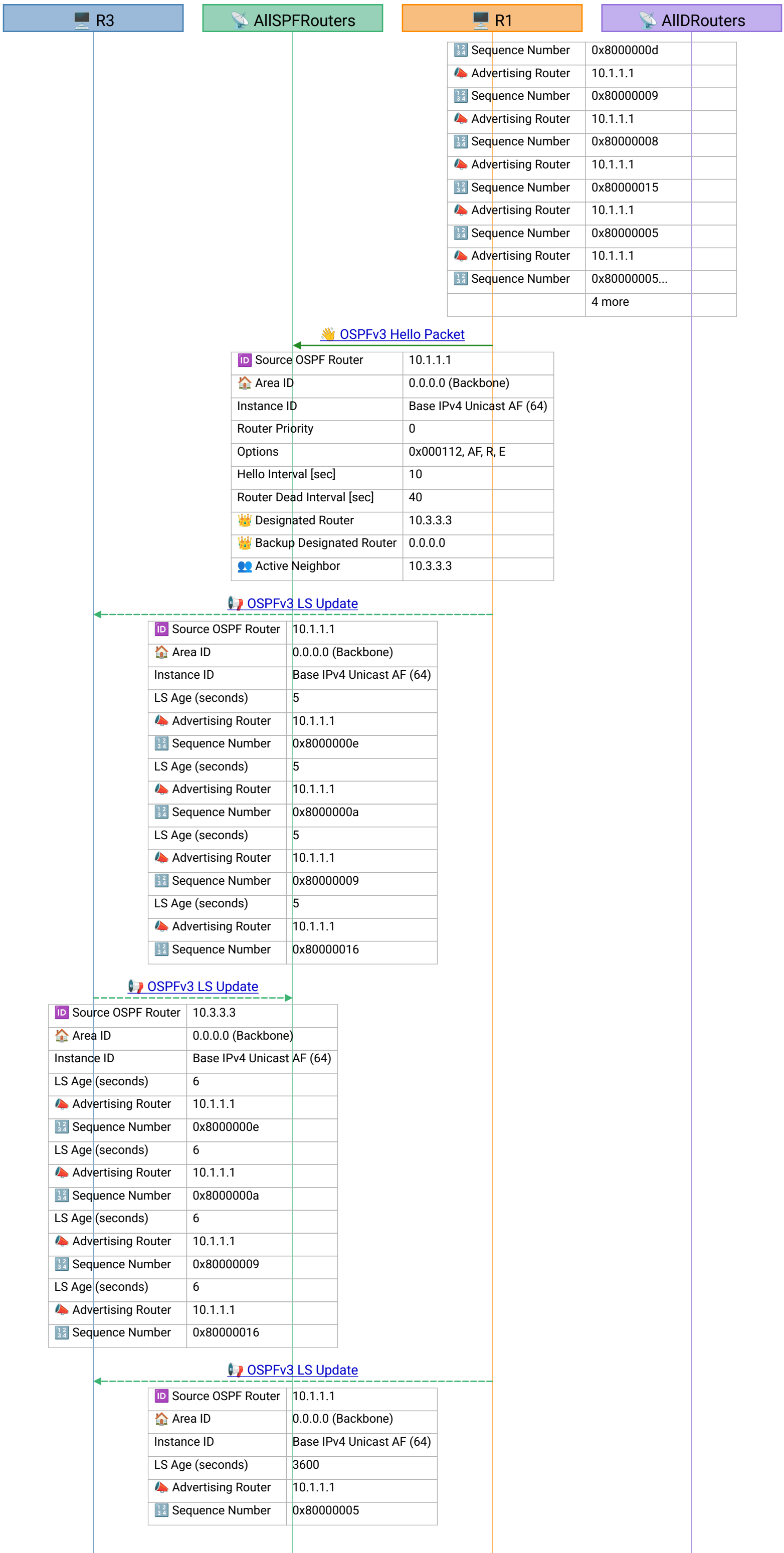
ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000c
	LS Age (seconds)	1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000c

Frame 56 |
2020-08-05T13:06:43.371968Z

OSPFv3 LS Acknowledge

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
🚩	Advertising Router	10.1.1.1

Frame 58 |
2020-08-05T13:06:44.865301Z



Frame 59 | 2020-08-05T13:06:45.747513Z

Frame 60 | 2020-08-05T13:06:47.3389Z

Frame 61 | 2020-08-05T13:06:47.350907Z

Frame 62 | 2020-08-05T13:06:47.972848Z

R3

AllSPFRouters

R1

AllIDRouters

LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000005

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	12
Advertising Router	10.1.1.1
Sequence Number	0x80000005
LS Age (seconds)	12
Advertising Router	10.1.1.1
Sequence Number	0x80000005

Frame 63 |
2020-08-05T13:06:47.973843Z

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000006
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000006

Frame 64 |
2020-08-05T13:06:48.048356Z

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000006
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000006

Frame 65 |
2020-08-05T13:06:48.059972Z

OSPFv3 LS Update

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000c

Frame 66 |
2020-08-05T13:06:48.222Z

OSPFv3 LS Update

Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000c

Frame 67 |
2020-08-05T13:06:48.23202Z

OSPFv3 LS Acknowledge

Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.1.1.1
Sequence Number	0x80000005
Advertising Router	10.1.1.1
Sequence Number	0x80000005

Frame 68 |
2020-08-05T13:06:50.48167Z

R3

AllSPFRouters

R1

AllIDRouters

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000f
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000b
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000a
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000017

Frame 69 |
2020-08-05T13:06:52.109475Z

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007

Frame 70 |
2020-08-05T13:06:52.119696Z

OSPFv3 Hello Packet

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	33
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	10.3.3.3
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.1.1.1

Frame 71 |
2020-08-05T13:06:52.772558Z

Frame 72 |
2020-08-05T13:06:52.808466Z

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1

Frame 73 |
2020-08-05T13:06:53.048893Z

R3

AllSPFRouters

R1

AllIDRouters

1 2 3 4	Sequence Number	0x80000007
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Frame 74 |
2020-08-05T13:06:53.370121Z

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000d
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000d

OSPFv3 LS Update

Frame 75 |
2020-08-05T13:06:53.380526Z

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000e
	LS Age (seconds)	1
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000e

OSPFv3 LS Update

Frame 76 |
2020-08-05T13:06:53.656643Z

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	2
🚩	Advertising Router	10.4.4.4
1 2 3 4	Sequence Number	0x80000005

OSPFv3 LS Acknowledge

Frame 77 |
2020-08-05T13:06:54.614183Z

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000f
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000b
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x8000000a
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000017
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000007...
		6 more

OSPFv3 Hello Packet

Frame 78 |
2020-08-05T13:06:55.238443Z

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	0
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	10.3.3.3
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.3.3.3

OSPFv3 LS Update

Frame 79 |
2020-08-05T13:06:57.129764Z

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	6

R3

AllSPFRouters

R1

AllIDRouters

Advertising Router	10.1.1.1
Sequence Number	0x80000010
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000b
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x80000018

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000010
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x8000000b
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000018

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000007

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	11
Advertising Router	10.1.1.1
Sequence Number	0x80000007
LS Age (seconds)	11
Advertising Router	10.1.1.1
Sequence Number	0x80000007

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000008

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)

Frame 80 | 2020-08-05T13:06:57.141011Z

Frame 81 | 2020-08-05T13:06:57.724948Z

Frame 82 | 2020-08-05T13:06:57.725982Z

Frame 83 | 2020-08-05T13:06:58.062594Z

Frame 84 | 2020-08-05T13:06:58.072603Z

R3

AllSPFRouters

R1

AllIDRouters

LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000008
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x80000008

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000e
LS Age (seconds)	5
Advertising Router	10.1.1.1
Sequence Number	0x8000000e

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000e
LS Age (seconds)	6
Advertising Router	10.1.1.1
Sequence Number	0x8000000e

OSPFv3 LS Acknowledge

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
Advertising Router	10.1.1.1
Sequence Number	0x80000007
Advertising Router	10.1.1.1
Sequence Number	0x80000007

OSPFv3 LS Update

ID Source OSPF Router	10.3.3.3
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000011
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x8000000d
LS Age (seconds)	3600
Advertising Router	10.1.1.1
Sequence Number	0x8000000c
LS Age (seconds)	7
Advertising Router	10.1.1.1
Sequence Number	0x80000019

OSPFv3 LS Update

ID Source OSPF Router	10.1.1.1
Area ID	0.0.0.0 (Backbone)
Instance ID	Base IPv4 Unicast AF (64)
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x80000012
LS Age (seconds)	1
Advertising Router	10.1.1.1
Sequence Number	0x8000000e
LS Age (seconds)	1

Frame 85 | 2020-08-05T13:06:58.365068Z

Frame 86 | 2020-08-05T13:06:58.367056Z

Frame 87 | 2020-08-05T13:07:00.234885Z

Frame 88 | 2020-08-05T13:07:01.94944Z

Frame 89 | 2020-08-05T13:07:01.956557Z

R3

AllSPFRouters

R1

AllIDRouters

OSPFv3 Hello Packet

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	33
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	10.3.3.3
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.1.1.1

OSPFv3 LS Update

ID	Source OSPF Router	10.3.3.3
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000009
	LS Age (seconds)	7
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000009

OSPFv3 LS Update

ID	Source OSPF Router	10.1.1.1
🏠	Area ID	0.0.0.0 (Backbone)
	Instance ID	Base IPv4 Unicast AF (64)
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000009
	LS Age (seconds)	3600
🚩	Advertising Router	10.1.1.1
1 2 3 4	Sequence Number	0x80000009

Frame 90 |
2020-08-05T13:07:02.078879Z

Frame 91 |
2020-08-05T13:07:02.906454Z

Frame 92 |
2020-08-05T13:07:03.065331Z