

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllDRouters

ospfv2_flood_war.pcapng

OSPF Hello Packet

Frame 1 | 2020-08-05T13:06:09.482038Z

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	0
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.3

OSPF Hello Packet

Frame 2 | 2020-08-05T13:06:12.843453Z

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	33
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.1

OSPF LS Update

Frame 3 | 2020-08-05T13:06:14.928894Z

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	172.16.0.2
Advertising Router	172.16.0.2
Sequence Number	0x8000000e
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	172.16.0.2
Sequence Number	0x80000003
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)...
	3 more

OSPF LS Update

Frame 4 | 2020-08-05T13:06:15.05201Z

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000005
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000005
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

OSPF LS Update

Frame 5 | 2020-08-05T13:06:15.061982Z

ID Source OSPF Router	10.0.0.1
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R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000006
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000006
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x8000000f

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000010

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	2
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.4
Advertising Router	10.0.0.4
Sequence Number	0x80000004

OSPF LS Acknowledge

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Link State ID	172.16.0.2
Advertising Router	172.16.0.2
Sequence Number	0x8000000e
Link State ID	10.0.0.7
Advertising Router	172.16.0.2
Sequence Number	0x80000003
Link State ID	10.2.7.0
Advertising Router	172.16.0.2
Sequence Number	0x80000004
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000005
Link State ID	10.1.5.0...
	14 more

OSPF Hello Packet

Source OSPF Router	10.0.0.1
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Frame 6 | 2020-08-05T13:06:15.480705Z

Frame 7 | 2020-08-05T13:06:15.49164Z

Frame 8 | 2020-08-05T13:06:15.549548Z

Frame 9 | 2020-08-05T13:06:17.430889Z

Frame 10 | 2020-08-05T13:06:18.995418Z

R1 (ABR/ASBR)
AllSPFRouters
R3 (DR, ABR)
AllIDRouters

🏠 Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	0
Router Dead Interval [sec]	40
👑 Designated Router	10.0.123.3
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.0.0.3

OSPF LS Update

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
🚩 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000006
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
🚩 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000006
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 11 |
2020-08-05T13:06:19.993367Z

OSPF LS Update

🆔 Source OSPF Router	10.0.0.3
🏠 Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
🚩 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000006
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
🚩 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000006
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 12 |
2020-08-05T13:06:20.00434Z

OSPF LS Update

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
🚩 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000010

Frame 13 |
2020-08-05T13:06:20.46235Z

OSPF LS Update

🆔 Source OSPF Router	10.0.0.3
🏠 Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
🚩 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000010

Frame 14 |
2020-08-05T13:06:20.473278Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

OSPF Hello Packet

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	33
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.1

Frame 15 |
2020-08-05T13:06:22.30537Z

OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000007
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000007
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 16 |
2020-08-05T13:06:24.89832Z

OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 17 |
2020-08-05T13:06:24.90929Z

OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000001
LS Age (seconds)	3
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000001

Frame 18 |
2020-08-05T13:06:25.054774Z

OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)

Frame 19 |
2020-08-05T13:06:25.066383Z

R1 (ABR/ASBR)
AllSPFRouters
R3 (DR, ABR)
AllIDRouters

LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000002
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000002

✓ OSPF LS Acknowledge

Frame 20 |
2020-08-05T13:06:27.404576Z

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000007
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000007
Link State ID	10.1.10.0
Advertising Router	10.0.0.1
Sequence Number	0x80000007
Link State ID	172.16.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000006
Link State ID	10.0.0.7...
	5 more

👋 OSPF Hello Packet

Frame 21 |
2020-08-05T13:06:28.157259Z

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	0
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.3

🇩🇪 OSPF LS Update

Frame 22 |
2020-08-05T13:06:29.710717Z

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

🇩🇪 OSPF LS Update

Frame 23 |
2020-08-05T13:06:29.720685Z

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000002
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000002

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000002
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000002

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	7
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000011

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000012

OSPF Hello Packet

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing

Frame 24 | 2020-08-05T13:06:30.041755Z

Frame 25 | 2020-08-05T13:06:30.05163Z

Frame 26 | 2020-08-05T13:06:30.439304Z

Frame 27 | 2020-08-05T13:06:30.45028Z

Frame 28 | 2020-08-05T13:06:31.431633Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

Router Priority	33
Router Dead Interval [sec]	40
👑 Designated Router	10.0.123.3
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.0.0.1

✔️ OSPF LS Acknowledge

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.0 (Backbone)
🔗 Link State ID	10.0.0.1
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000011

Frame 29 |
2020-08-05T13:06:32.945963Z

📡 OSPF LS Update

🆔 Source OSPF Router	10.0.0.3
🏠 Area ID	0.0.0.0 (Backbone)
⌚ LS Age (seconds)	3600
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.0.0.10
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000009
⌚ LS Age (seconds)	3600
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.1.5.0
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000009
⌚ LS Age (seconds)	3600
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.1.10.0...
	7 more

Frame 30 |
2020-08-05T13:06:34.661217Z

📡 OSPF LS Update

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.0 (Backbone)
⌚ LS Age (seconds)	1
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.0.0.10
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x8000000a
⌚ LS Age (seconds)	1
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.1.5.0
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x8000000a
⌚ LS Age (seconds)	1
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.1.10.0...
	7 more

Frame 31 |
2020-08-05T13:06:34.67119Z

📡 OSPF LS Update

🆔 Source OSPF Router	10.0.0.3
🏠 Area ID	0.0.0.0 (Backbone)
⌚ LS Age (seconds)	7
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.0.0.7
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000003
⌚ LS Age (seconds)	7
📄 LS Type	Summary-LSA (IP network) (3)
🔗 Link State ID	10.2.7.0
📣 Advertising Router	10.0.0.1
📄 Sequence Number	0x80000003

Frame 32 |
2020-08-05T13:06:34.743007Z

📡 OSPF LS Update

🆔 Source OSPF Router	10.0.0.1
🏠 Area ID	0.0.0.0 (Backbone)

Frame 33 |
2020-08-05T13:06:34.752972Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000004
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000004

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000012

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000012

OSPF LS Acknowledge

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000009
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000009
Link State ID	10.1.10.0
Advertising Router	10.0.0.1
Sequence Number	0x80000009
Link State ID	172.16.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000008
Link State ID	10.0.0.7...
	5 more

OSPF Hello Packet

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	0
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.3

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)

Frame 34 | 2020-08-05T13:06:35.305179Z

Frame 35 | 2020-08-05T13:06:35.31814Z

Frame 36 | 2020-08-05T13:06:37.166999Z

Frame 37 | 2020-08-05T13:06:37.831122Z

Frame 38 | 2020-08-05T13:06:39.193893Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000a
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000a
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

← OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000a
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000a
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

← OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000004
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000004

← OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000004
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000004

← OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	7
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1

Frame 39 | 2020-08-05T13:06:39.203867Z

Frame 40 | 2020-08-05T13:06:39.697424Z

Frame 41 | 2020-08-05T13:06:39.707401Z

Frame 42 | 2020-08-05T13:06:40.199071Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

Advertising Router	10.0.0.1
Sequence Number	0x80000013

OSPF LS Update

Frame 43 | 2020-08-05T13:06:40.209858Z

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000014

OSPF Hello Packet

Frame 44 | 2020-08-05T13:06:41.128075Z

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	33
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.1

OSPF LS Acknowledge

Frame 45 | 2020-08-05T13:06:42.704861Z

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000013

OSPF LS Update

Frame 46 | 2020-08-05T13:06:43.876467Z

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000b
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000b
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

OSPF LS Update

Frame 47 | 2020-08-05T13:06:43.886784Z

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

7 more

OSPF LS Update

ID	Source OSPF Router	10.0.0.3
🏠	Area ID	0.0.0.0 (Backbone)
🕒	LS Age (seconds)	7
🏷️	LS Type	Summary-LSA (IP network) (3)
🔗	Link State ID	10.0.0.7
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x80000005
🕒	LS Age (seconds)	7
🏷️	LS Type	Summary-LSA (IP network) (3)
🔗	Link State ID	10.2.7.0
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x80000005

Frame 48 |
2020-08-05T13:06:44.451195Z

OSPF LS Update

ID	Source OSPF Router	10.0.0.1
🏠	Area ID	0.0.0.0 (Backbone)
🕒	LS Age (seconds)	3600
🏷️	LS Type	Summary-LSA (IP network) (3)
🔗	Link State ID	10.0.0.7
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x80000006
🕒	LS Age (seconds)	3600
🏷️	LS Type	Summary-LSA (IP network) (3)
🔗	Link State ID	10.2.7.0
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x80000006

Frame 49 |
2020-08-05T13:06:44.462156Z

OSPF LS Update

ID	Source OSPF Router	10.0.0.1
🏠	Area ID	0.0.0.0 (Backbone)
🕒	LS Age (seconds)	5
🏷️	LS Type	Router-LSA (1)
🏷️	Router LSA	True
🔗	Link State ID	10.0.0.1
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x80000014

Frame 50 |
2020-08-05T13:06:45.062772Z

OSPF LS Update

ID	Source OSPF Router	10.0.0.3
🏠	Area ID	0.0.0.0 (Backbone)
🕒	LS Age (seconds)	6
🏷️	LS Type	Router-LSA (1)
🏷️	Router LSA	True
🔗	Link State ID	10.0.0.1
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x80000014

Frame 51 |
2020-08-05T13:06:45.072129Z

OSPF LS Acknowledge

ID	Source OSPF Router	10.0.0.1
🏠	Area ID	0.0.0.0 (Backbone)
🔗	Link State ID	10.0.0.10
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x8000000b
🔗	Link State ID	10.1.5.0
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x8000000b
🔗	Link State ID	10.1.10.0
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x8000000b
🔗	Link State ID	172.16.0.10
🚩	Advertising Router	10.0.0.1
🔢	Sequence Number	0x8000000a
🔗	Link State ID	10.0.0.7...

Frame 52 |
2020-08-05T13:06:46.379994Z

R1 (ABR/ASBR)
AllSPFRouters
R3 (DR, ABR)
AllIDRouters

5 more

OSPF Hello Packet

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	0
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.3

Frame 53 |
2020-08-05T13:06:47.2713Z

OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 54 |
2020-08-05T13:06:48.722504Z

OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 55 |
2020-08-05T13:06:48.733488Z

OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000006
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000006

Frame 56 |
2020-08-05T13:06:49.20115Z

OSPF LS Update

ID Source OSPF Router	10.0.0.3
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Frame 57 |
2020-08-05T13:06:49.211751Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllDRouters

Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000006
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000006

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	7
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000015

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000016

OSPF Hello Packet

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	33
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.1

OSPF LS Acknowledge

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000015

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000d
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000d
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)

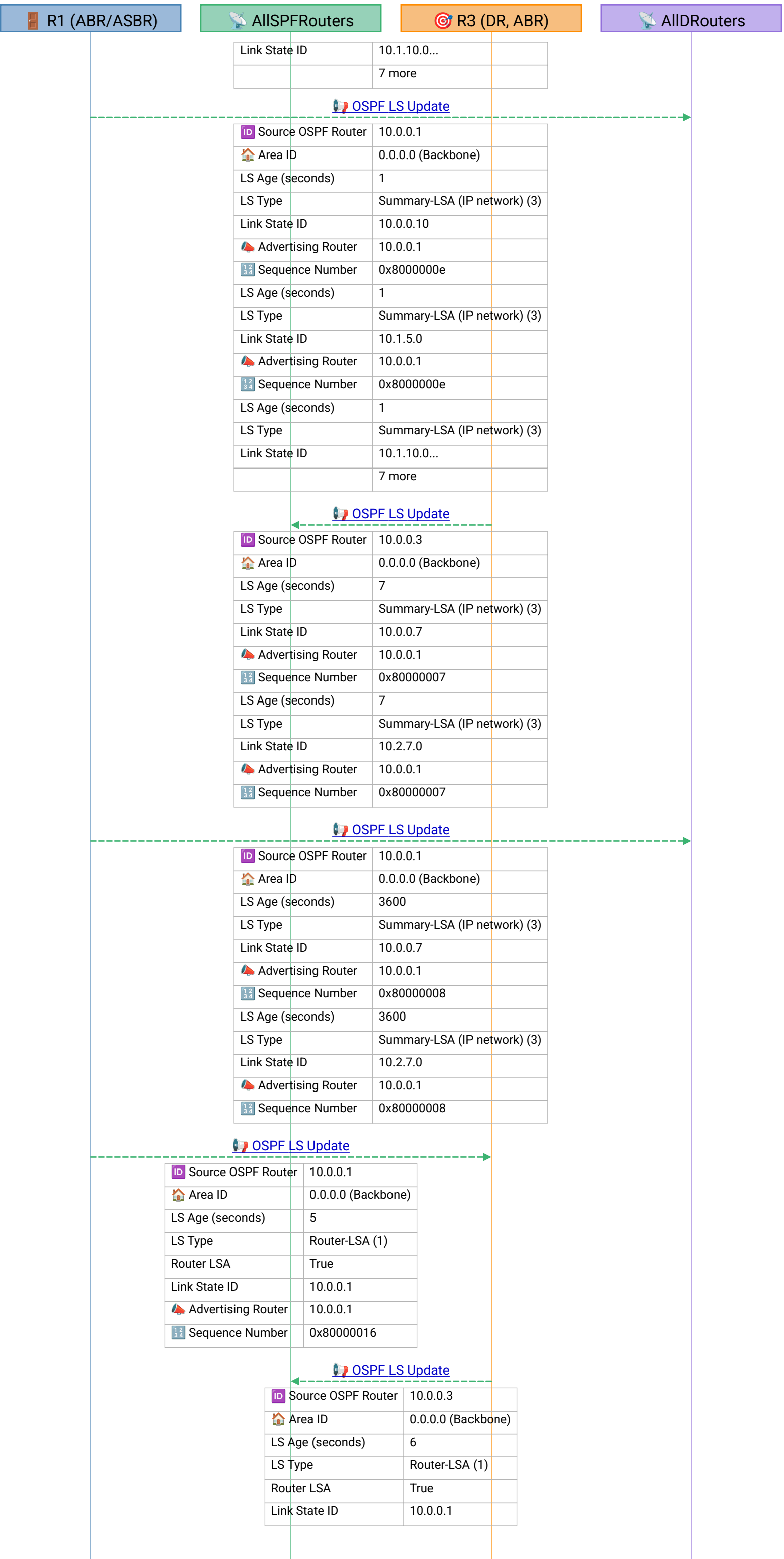
Frame 58 | 2020-08-05T13:06:49.939102Z

Frame 59 | 2020-08-05T13:06:49.949263Z

Frame 60 | 2020-08-05T13:06:50.804213Z

Frame 61 | 2020-08-05T13:06:52.447809Z

Frame 62 | 2020-08-05T13:06:53.294364Z



Link State ID	10.1.10.0...
	7 more

OSPF LS Update

Frame 63 |
2020-08-05T13:06:53.304643Z

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000e
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000e
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

OSPF LS Update

Frame 64 |
2020-08-05T13:06:54.181767Z

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	7
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000007
LS Age (seconds)	7
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000007

OSPF LS Update

Frame 65 |
2020-08-05T13:06:54.19274Z

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000008

OSPF LS Update

Frame 66 |
2020-08-05T13:06:54.810753Z

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000016

OSPF LS Update

Frame 67 |
2020-08-05T13:06:54.821766Z

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1

R1 (ABR/ASBR)
AllSPFRouters
R3 (DR, ABR)
AllIDRouters

Advertising Router	10.0.0.1
Sequence Number	0x80000016

OSPF LS Acknowledge

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000d
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000d
Link State ID	10.1.10.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000d
Link State ID	172.16.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000c
Link State ID	10.0.0.7...
	5 more

Frame 68 |
2020-08-05T13:06:55.80339Z

OSPF Hello Packet

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	0
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.3

Frame 69 |
2020-08-05T13:06:56.417173Z

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000e
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000e
LS Age (seconds)	5
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 70 |
2020-08-05T13:06:57.816911Z

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000e
LS Age (seconds)	6
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000e
LS Age (seconds)	6

Frame 71 |
2020-08-05T13:06:57.828877Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000008

OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.7
Advertising Router	10.0.0.1
Sequence Number	0x80000008
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.2.7.0
Advertising Router	10.0.0.1
Sequence Number	0x80000008

OSPF LS Update

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	7
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000017

OSPF LS Update

ID Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000018

OSPF Hello Packet

ID Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	33
Router Dead Interval [sec]	40
Designated Router	10.0.123.3
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.1

OSPF LS Acknowledge

ID Source OSPF Router	10.0.0.1
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Frame 72 | 2020-08-05T13:06:58.731437Z

Frame 73 | 2020-08-05T13:06:58.738376Z

Frame 74 | 2020-08-05T13:06:59.806661Z

Frame 75 | 2020-08-05T13:06:59.816644Z

Frame 76 | 2020-08-05T13:07:00.363072Z

Frame 77 | 2020-08-05T13:07:02.312762Z

R1 (ABR/ASBR)

AllSPFRouters

R3 (DR, ABR)

AllIDRouters

Area ID	0.0.0.0 (Backbone)
Link State ID	10.0.0.1
Advertising Router	10.0.0.1
Sequence Number	0x80000017

OSPF LS Update

Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x8000000f
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x8000000f
LS Age (seconds)	3600
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 78 |
2020-08-05T13:07:02.541343Z

OSPF LS Update

Source OSPF Router	10.0.0.1
Area ID	0.0.0.0 (Backbone)
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.10
Advertising Router	10.0.0.1
Sequence Number	0x80000010
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.5.0
Advertising Router	10.0.0.1
Sequence Number	0x80000010
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.1.10.0...
	7 more

Frame 79 |
2020-08-05T13:07:02.551316Z