



ospfv2_net_p2mp.pcapng

👋 OSPF Hello Packet

Frame 1 |
2020-08-04T22:11:48.655593Z

ID Source OSPF Router	10.0.0.3
🏠 Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

👋 OSPF Hello Packet

Frame 2 |
2020-08-04T22:12:05.558144Z

ID Source OSPF Router	10.0.0.4
🏠 Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.0.0.3

👋 OSPF Hello Packet

Frame 3 |
2020-08-04T22:12:17.564178Z

ID Source OSPF Router	10.0.0.3
🏠 Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.0.0.4

👋 OSPF Hello Packet

Frame 4 |
2020-08-04T22:12:26.463959Z

ID Source OSPF Router	10.0.0.9
🏠 Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

👋 OSPF Hello Packet

Frame 5 |
2020-08-04T22:12:32.701475Z

ID Source OSPF Router	10.0.0.4
🏠 Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0
👤 Active Neighbor	10.0.0.9
👤 Active Neighbor	10.0.0.3

📄 OSPF DB Description

Frame 6 |
2020-08-04T22:12:32.702518Z

ID Source OSPF Router	10.0.0.9
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R3

AllSPFRouters

R4

R9

Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	9230

OSPF Hello Packet

Frame 7 | 2020-08-04T22:12:32.702518Z

Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.4

OSPF DB Description

Frame 8 | 2020-08-04T22:12:32.704466Z

Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	1235

OSPF DB Description

Frame 9 | 2020-08-04T22:12:32.704466Z

Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x02, (M) More
DD Sequence	9230
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.3
Advertising Router	10.0.0.3
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.4
Advertising Router	10.0.0.4
Options	0x22, (DC) Demand Circuits, (E) External Routing...
	43 more

OSPF DB Description

Frame 10 | 2020-08-04T22:12:32.705466Z

Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x01, (MS) Master
DD Sequence	9231
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.9
Advertising Router	10.0.0.9

OSPF LS Request

Frame 11 | 2020-08-04T22:12:32.70651Z

Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
Advertising Router	10.0.0.9

R3

AllSPFRouters

R4

R9

OSPF DB Description

ID Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x00
DD Sequence	9231

Frame 12 |
2020-08-04T22:12:32.70651Z

OSPF LS Update

ID Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
LS Age (seconds)	2
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.9
Advertising Router	10.0.0.9
Sequence Number	0x80000002

Frame 13 |
2020-08-04T22:12:32.708457Z

OSPF LS Request

ID Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4
Advertising Router	10.0.0.3
Advertising Router	10.0.0.4

Frame 14 |
2020-08-04T22:12:32.708457Z

OSPF LS Update

ID Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
LS Age (seconds)	28
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.3
Advertising Router	10.0.0.3
Sequence Number	0x80000002
LS Age (seconds)	27
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.4
Advertising Router	10.0.0.4
Sequence Number	0x80000003
LS Age (seconds)	36...
	54 more

Frame 15 |
2020-08-04T22:12:32.71045Z

OSPF LS Update

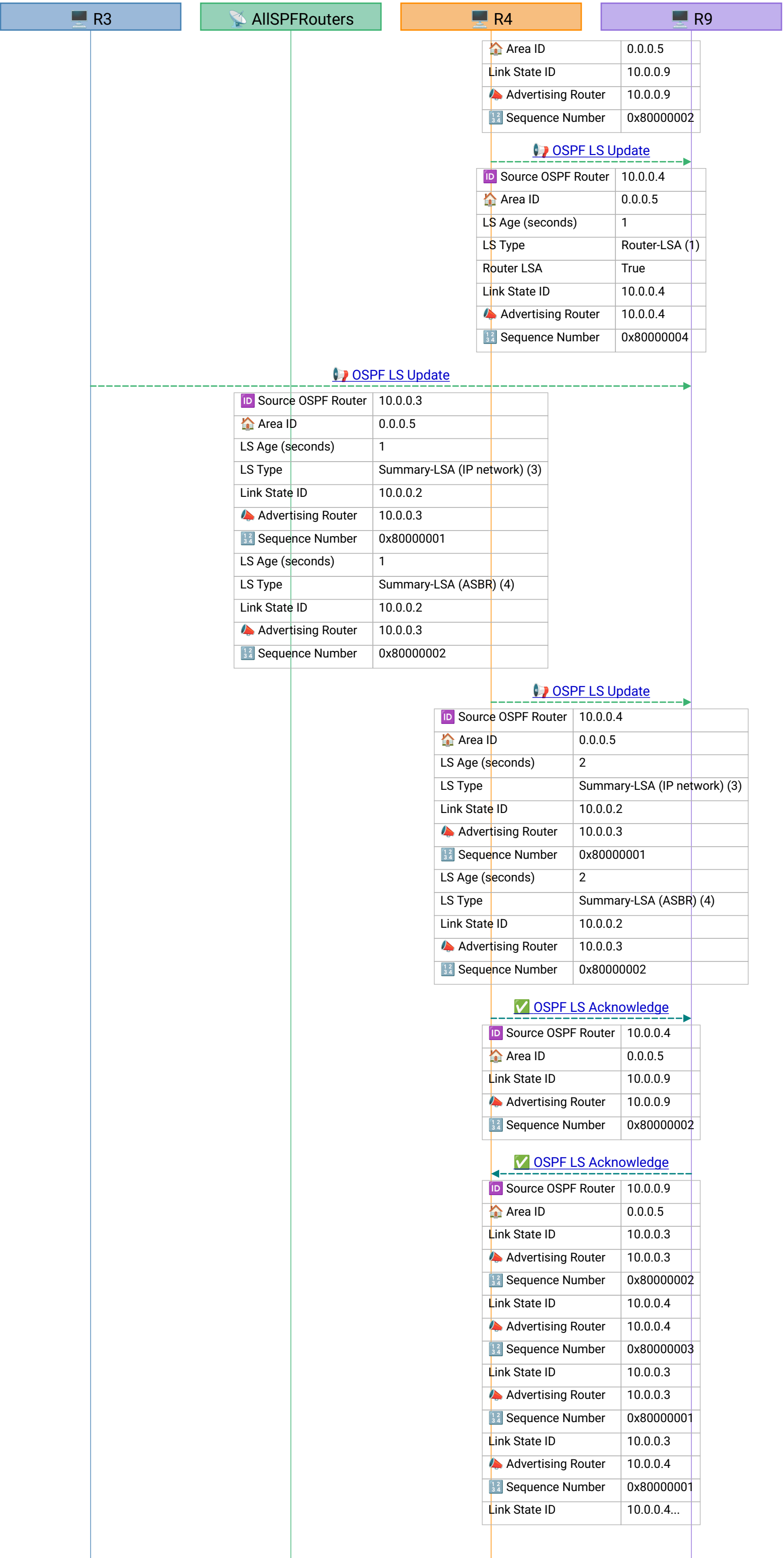
ID Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
LS Age (seconds)	3
LS Type	Router-LSA (1)
Router LSA	True
Link State ID	10.0.0.9
Advertising Router	10.0.0.9
Sequence Number	0x80000002

Frame 16 |
2020-08-04T22:12:32.71045Z

OSPF LS Acknowledge

ID Source OSPF Router	10.0.0.9
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Frame 17 |
2020-08-04T22:12:32.712447Z



Area ID	0.0.0.5
Link State ID	10.0.0.9
Advertising Router	10.0.0.9
Sequence Number	0x80000002

OSPF LS Update

Frame 18 | 2020-08-04T22:12:33.231021Z

Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
LS Age (seconds)	1
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 Update

Frame 19 | 2020-08-04T22:12:33.626155Z

Source OSPF Router	10.0.0.3
Area ID	0.0.0.5
LS Age (seconds)	1
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.2
Advertising Router	10.0.0.3
Sequence Number	0x80000001
LS Age (seconds)	1
LS Type	Summary-LSA (ASBR) (4)
Link State ID	10.0.0.2
Advertising Router	10.0.0.3
Sequence Number	0x80000002

OSPF LS Update

Frame 20 | 2020-08-04T22:12:33.627193Z

Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
LS Age (seconds)	2
LS Type	Summary-LSA (IP network) (3)
Link State ID	10.0.0.2
Advertising Router	10.0.0.3
Sequence Number	0x80000001
LS Age (seconds)	2
LS Type	Summary-LSA (ASBR) (4)
Link State ID	10.0.0.2
Advertising Router	10.0.0.3
Sequence Number	0x80000002

OSPF LS Acknowledge

Frame 21 | 2020-08-04T22:12:35.212533Z

Source OSPF Router	10.0.0.4
Area ID	0.0.0.5
Link State ID	10.0.0.9
Advertising Router	10.0.0.9
Sequence Number	0x80000002

OSPF LS Acknowledge

Frame 22 | 2020-08-04T22:12:35.213522Z

Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Link State ID	10.0.0.3
Advertising Router	10.0.0.3
Sequence Number	0x80000002
Link State ID	10.0.0.4
Advertising Router	10.0.0.4
Sequence Number	0x80000003
Link State ID	10.0.0.3
Advertising Router	10.0.0.3
Sequence Number	0x80000001
Link State ID	10.0.0.3
Advertising Router	10.0.0.4
Sequence Number	0x80000001
Link State ID	10.0.0.4...

R3

AllSPFRouters

R4

R9

35 more

OSPF LS Update

Frame 23 | 2020-08-04T22:12:36.315994Z

ID	Source OSPF Router	10.0.0.9
🏠	Area ID	0.0.0.5
	LS Age (seconds)	1
	LS Type	Router-LSA (1)
	Router LSA	True
	Link State ID	10.0.0.9
🚩	Advertising Router	10.0.0.9
1 2 3 4	Sequence Number	0x80000003

OSPF LS Update

Frame 24 | 2020-08-04T22:12:36.328501Z

ID	Source OSPF Router	10.0.0.4
🏠	Area ID	0.0.0.5
	LS Age (seconds)	2
	LS Type	Router-LSA (1)
	Router LSA	True
	Link State ID	10.0.0.9
🚩	Advertising Router	10.0.0.9
1 2 3 4	Sequence Number	0x80000003

OSPF LS Acknowledge

Frame 25 | 2020-08-04T22:12:38.824562Z

ID	Source OSPF Router	10.0.0.4
🏠	Area ID	0.0.0.5
	Link State ID	10.0.0.9
🚩	Advertising Router	10.0.0.9
1 2 3 4	Sequence Number	0x80000003

OSPF LS Update

Frame 26 | 2020-08-04T22:12:43.63029Z

ID	Source OSPF Router	10.0.0.4
🏠	Area ID	0.0.0.5
	LS Age (seconds)	1
	LS Type	Summary-LSA (IP network) (3)
	Link State ID	10.0.0.2
🚩	Advertising Router	10.0.0.4
1 2 3 4	Sequence Number	0x80000001
	LS Age (seconds)	1
	LS Type	Summary-LSA (ASBR) (4)
	Link State ID	10.0.0.2
🚩	Advertising Router	10.0.0.4
1 2 3 4	Sequence Number	0x80000002

OSPF LS Acknowledge

Frame 27 | 2020-08-04T22:12:46.139816Z

ID	Source OSPF Router	10.0.0.9
🏠	Area ID	0.0.0.5
	Link State ID	10.0.0.2
🚩	Advertising Router	10.0.0.4
1 2 3 4	Sequence Number	0x80000001
	Link State ID	10.0.0.2
🚩	Advertising Router	10.0.0.4
1 2 3 4	Sequence Number	0x80000002

OSPF Hello Packet

Frame 28 | 2020-08-04T22:12:46.584313Z

ID	Source OSPF Router	10.0.0.3
🏠	Area ID	0.0.0.5
	Network Mask	255.255.255.0
	Hello Interval [sec]	30
	Options	0x12, (L) LLS Data block, (E) External Routing
	Router Priority	1
	Router Dead Interval [sec]	120
👑	Designated Router	0.0.0.0
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.0.0.9
👤	Active Neighbor	10.0.0.4



Frame 29 |
2020-08-04T22:12:46.585315Z

OSPF DB Description	
Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	1699

Frame 30 |
2020-08-04T22:12:46.585315Z

OSPF Hello Packet	
Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Network Mask	255.255.255.0
Hello Interval [sec]	30
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	120
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.3
Active Neighbor	10.0.0.4

Frame 31 |
2020-08-04T22:12:46.586309Z

OSPF DB Description	
Source OSPF Router	10.0.0.3
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	3087

Frame 32 |
2020-08-04T22:12:46.587307Z

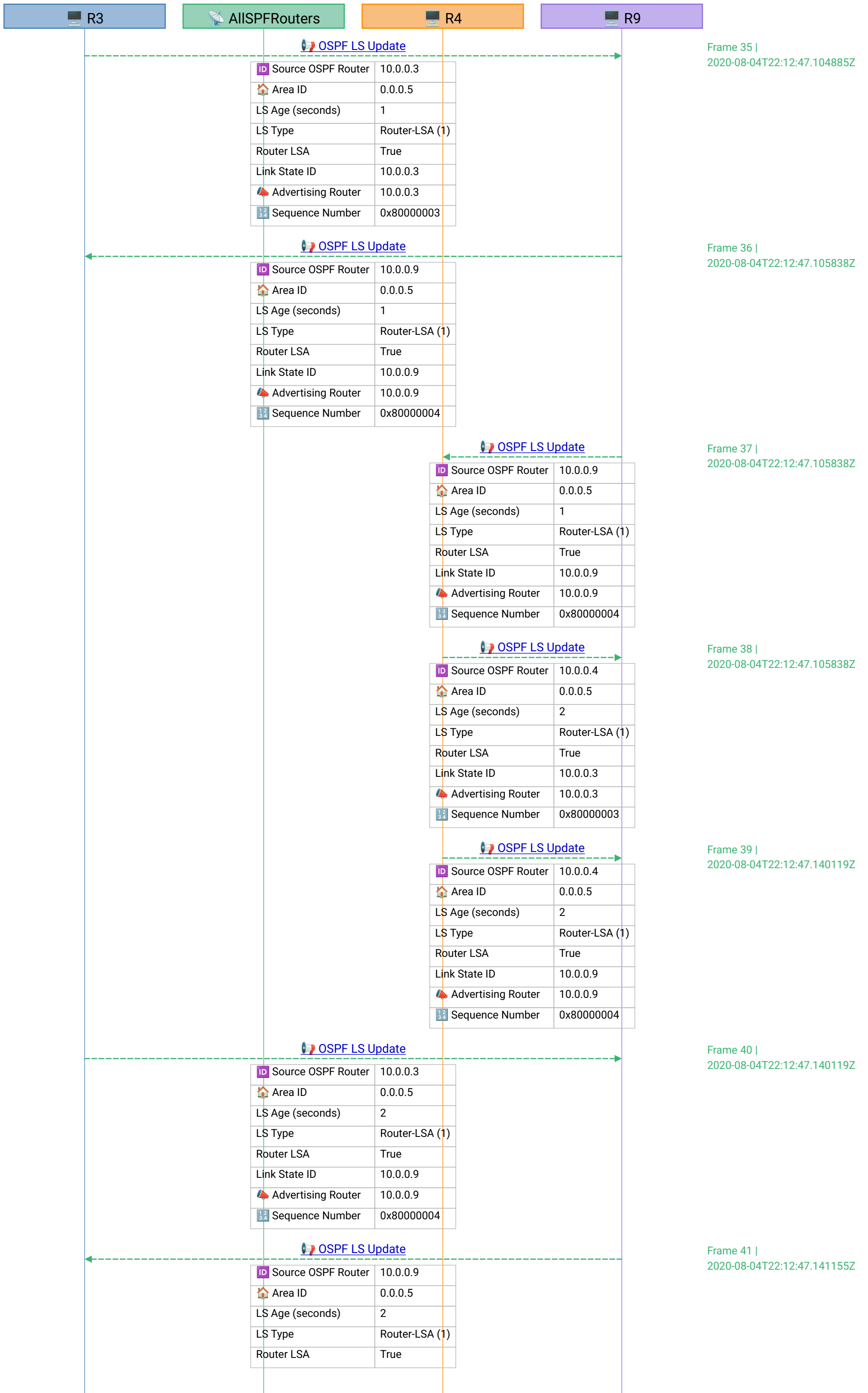
OSPF DB Description	
Source OSPF Router	10.0.0.3
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x02, (M) More
DD Sequence	1699
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.3
Advertising Router	10.0.0.3
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.4
Advertising Router	10.0.0.4
Options	0x22, (DC) Demand Circuits, (E) External Routing...
	55 more

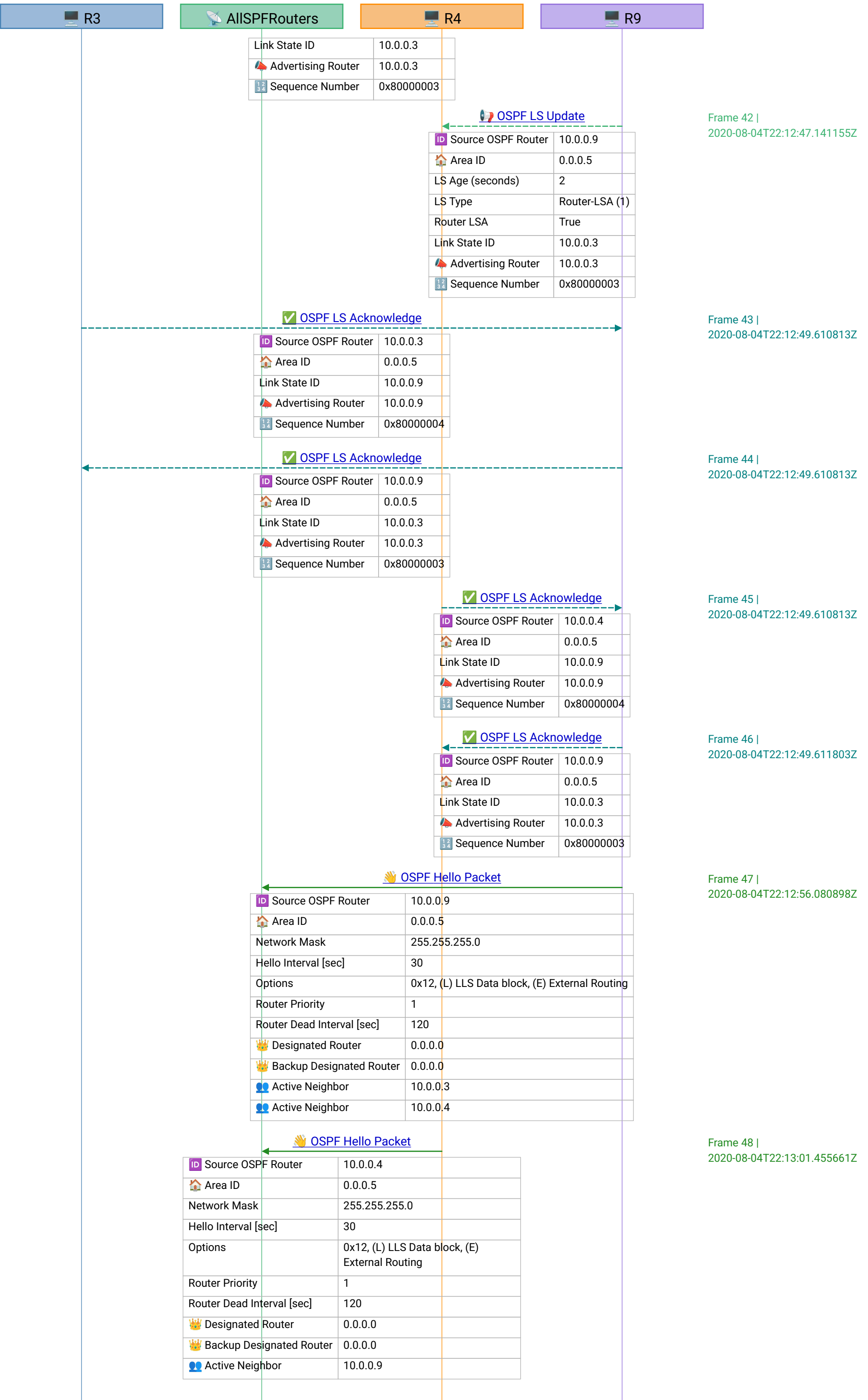
Frame 33 |
2020-08-04T22:12:46.588306Z

OSPF DB Description	
Source OSPF Router	10.0.0.9
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x01, (MS) Master
DD Sequence	1700
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.3
Advertising Router	10.0.0.3

Frame 34 |
2020-08-04T22:12:46.589311Z

OSPF DB Description	
Source OSPF Router	10.0.0.3
Area ID	0.0.0.5
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x00
DD Sequence	1700







Active Neighbor 10.0.0.3

OSPF Hello Packet

Frame 49 |
2020-08-04T22:13:16.106423Z

ID	Source OSPF Router	10.0.0.3
🏠	Area ID	0.0.0.5
	Network Mask	255.255.255.0
	Hello Interval [sec]	30
	Options	0x12, (L) LLS Data block, (E) External Routing
	Router Priority	1
	Router Dead Interval [sec]	120
👑	Designated Router	0.0.0.0
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.0.0.9
👤	Active Neighbor	10.0.0.4

OSPF Hello Packet

Frame 50 |
2020-08-04T22:13:24.97136Z

ID	Source OSPF Router	10.0.0.9
🏠	Area ID	0.0.0.5
	Network Mask	255.255.255.0
	Hello Interval [sec]	30
	Options	0x12, (L) LLS Data block, (E) External Routing
	Router Priority	1
	Router Dead Interval [sec]	120
👑	Designated Router	0.0.0.0
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.0.0.3
👤	Active Neighbor	10.0.0.4