

R3 AllSPFRouters R2 R4 AllDRouters

sr\_igp\_ospf\_init.pcapng

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	

Frame 1 |  
2020-08-07T14:38:09.604049Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.2
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	

Frame 2 |  
2020-08-07T14:38:11.376515Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.4
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.0.0.2	
Active Neighbor	10.0.0.3	

Frame 3 |  
2020-08-07T14:38:18.196175Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.0.0.2	
Active Neighbor	10.0.0.4	

Frame 4 |  
2020-08-07T14:38:19.250727Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.2
Area ID	0.0.0.0 (Backbone)	
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 5 |  
2020-08-07T14:38:20.584319Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.4
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.0.0.2	
Active Neighbor	10.0.0.3	

Frame 6 |  
2020-08-07T14:38:27.991156Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.3
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.0.0.2	
Active Neighbor	10.0.0.4	

Frame 7 |  
2020-08-07T14:38:28.518193Z

OSPF Hello Packet

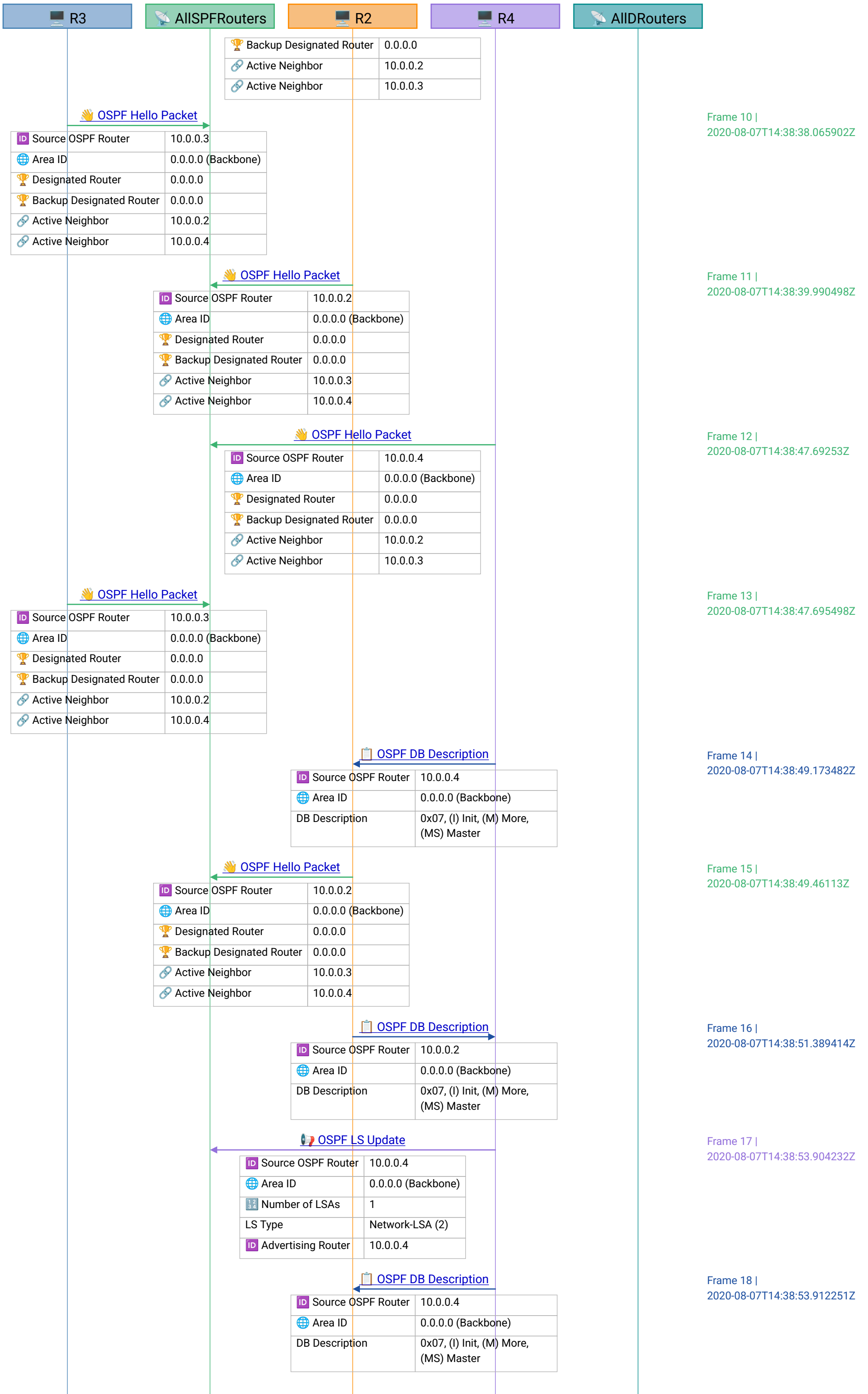
ID	Source OSPF Router	10.0.0.2
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	
Backup Designated Router	0.0.0.0	
Active Neighbor	10.0.0.3	
Active Neighbor	10.0.0.4	

Frame 8 |  
2020-08-07T14:38:30.433126Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.4
Area ID	0.0.0.0 (Backbone)	
Designated Router	0.0.0.0	

Frame 9 |  
2020-08-07T14:38:37.96397Z



R3

AllSPFRouters

R2

R4

AllDRouters

OSPF DB Description

ID	Source OSPF Router	10.0.0.2
	Area ID	0.0.0.0 (Backbone)
	DB Description	0x02, (M) More
	LS Type	Router-LSA (1)
	LS Type	Router-LSA (1)
	LS Type	Router-LSA (1)
	LS Type	Network-LSA (2)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)...
		16 more

Frame 19 |  
2020-08-07T14:38:53.915205Z

OSPF DB Description

ID	Source OSPF Router	10.0.0.4
	Area ID	0.0.0.0 (Backbone)
	DB Description	0x01, (MS) Master
	LS Type	Router-LSA (1)
	LS Type	Router-LSA (1)
	LS Type	Router-LSA (1)
	LS Type	Network-LSA (2)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)
	LS Type	Opaque LSA, Area-local scope (10)...
		18 more

Frame 20 |  
2020-08-07T14:38:53.9172Z

OSPF LS Update

ID	Source OSPF Router	10.0.0.3
	Area ID	0.0.0.0 (Backbone)
1 2 3 4	Number of LSAs	1
	LS Type	Opaque LSA, Area-local scope (10)
	Link State ID Opaque Type	Traffic Engineering LSA (1)
ID	Advertising Router	10.0.0.3

Frame 21 |  
2020-08-07T14:38:53.9172Z

OSPF LS Request

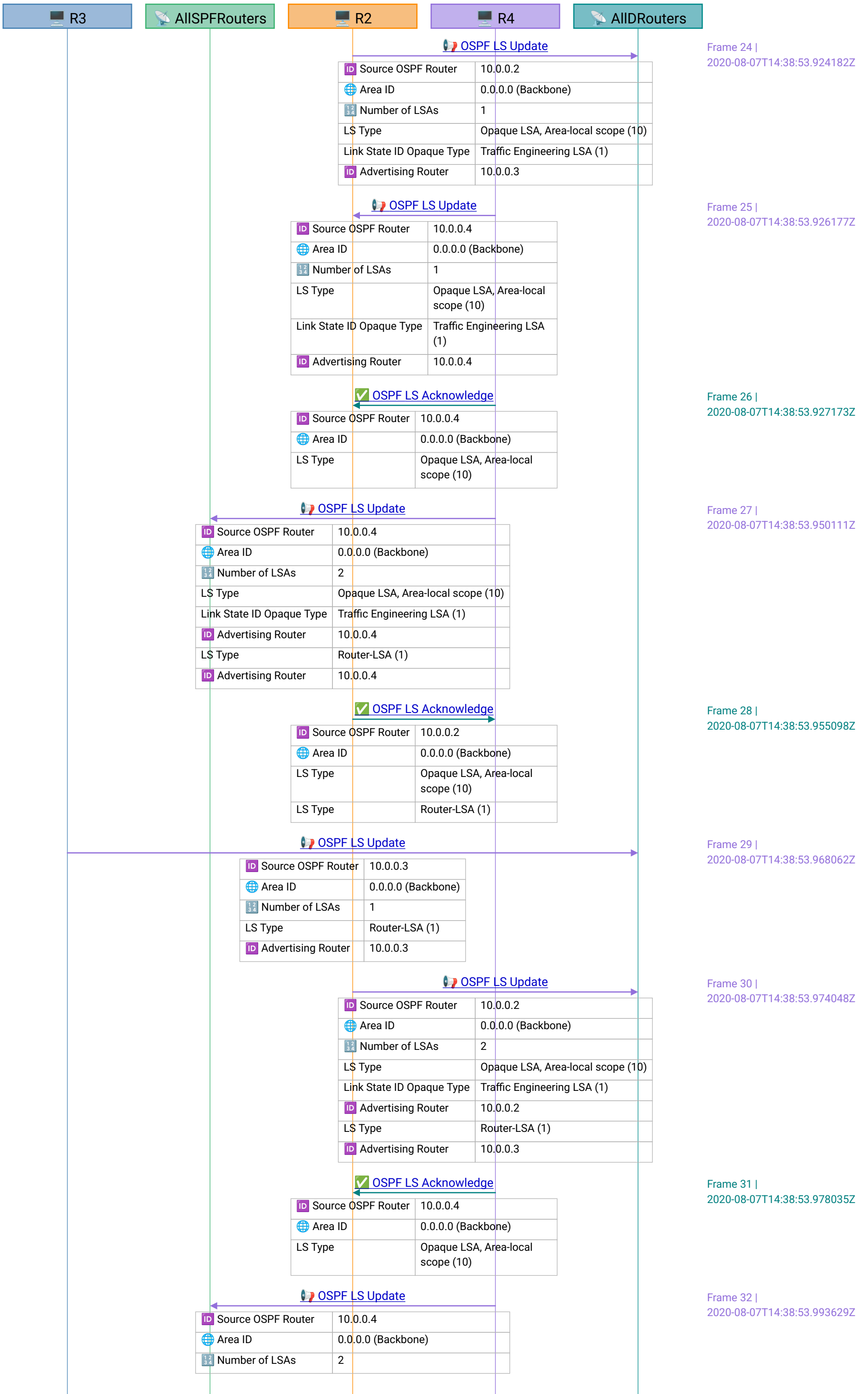
ID	Source OSPF Router	10.0.0.2
	Area ID	0.0.0.0 (Backbone)
	LS Type	Opaque LSA, Area-local scope (10)

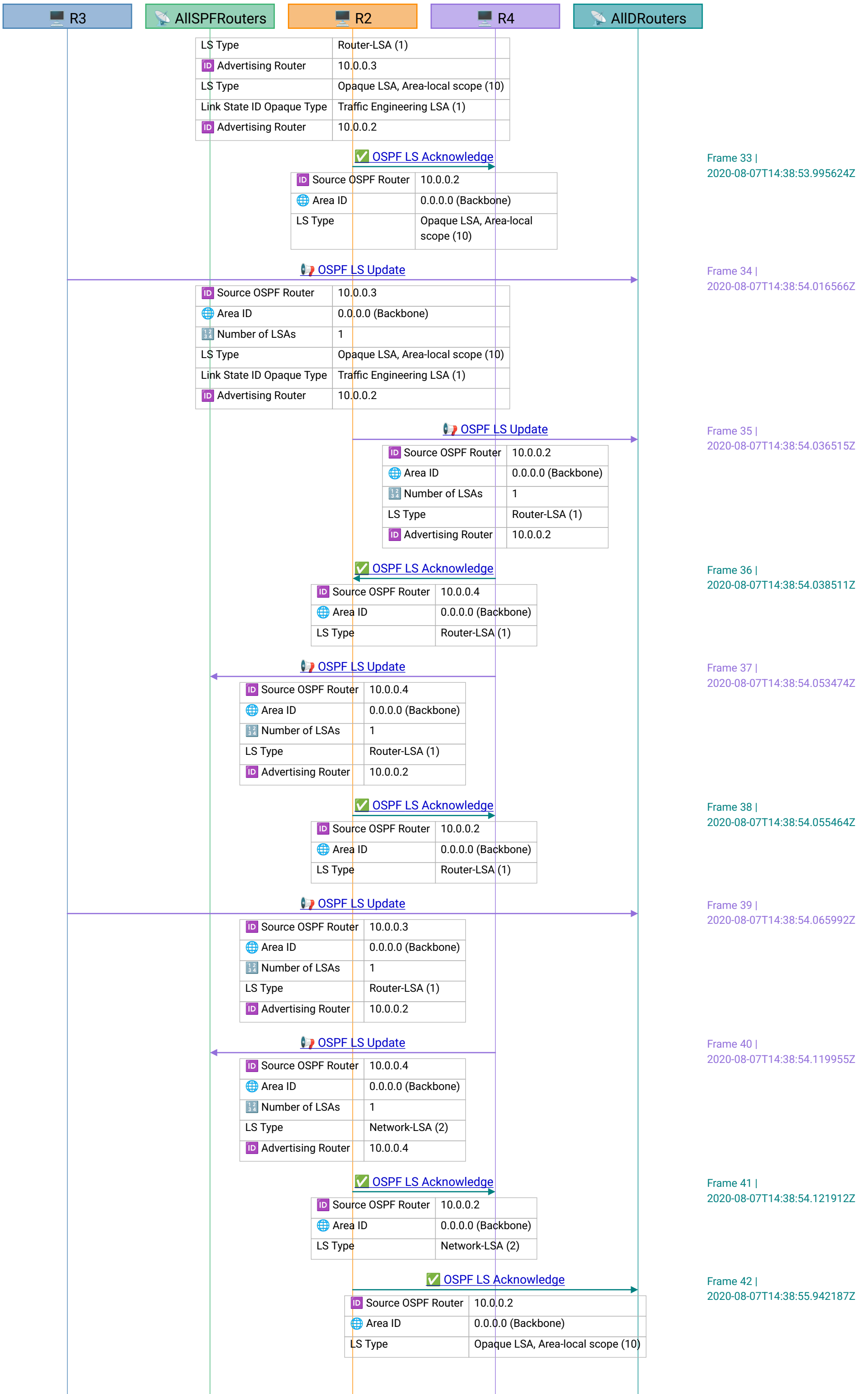
Frame 22 |  
2020-08-07T14:38:53.923183Z

OSPF DB Description

ID	Source OSPF Router	10.0.0.2
	Area ID	0.0.0.0 (Backbone)
	DB Description	0x00

Frame 23 |  
2020-08-07T14:38:53.923183Z







R3

AllSPFRouters

R2

R4

AllDRouters

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.2
Area ID	Area ID	0.0.0.0 (Backbone)
Designated Router	Designated Router	10.0.234.4
Backup Designated Router	Backup Designated Router	10.0.234.3
Active Neighbor	Active Neighbor	10.0.0.3
Active Neighbor	Active Neighbor	10.0.0.4

Frame 50 |  
2020-08-07T14:38:58.843018Z

OSPF Hello Packet

ID	Source OSPF Router	10.0.0.4
Area ID	Area ID	0.0.0.0 (Backbone)
Designated Router	Designated Router	10.0.234.4
Backup Designated Router	Backup Designated Router	10.0.234.3
Active Neighbor	Active Neighbor	10.0.0.2
Active Neighbor	Active Neighbor	10.0.0.3

Frame 51 |  
2020-08-07T14:39:06.601226Z