Exploring isis_l2_bcast_init.pcapng

R1 (L2-only)	All L2 IS	R2 (L2-only)	R3 (L1/L2)
Gi0		Gi0	Gi0

isis_l2_bcast_init.pcapng

IS-IS L2 HELLO — Frame 1 | 2020-08-06T12:26:22.355366Z

SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0001.01
Area	49.0000
IPv4 interface address	10.0.123.1

IS-IS L2 HELLO — Frame 2 | 2020-08-06T12:26:23.167047Z

SystemID {Sender of PDU}	0000.0000.0002
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0002.01
Area	49.0000
IPv4 interface address	10.0.123.2

IS-IS L2 HELLO — Frame 3 | 2020-08-06T12:26:23.359409Z

SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0001.01
Area	49.0000
IPv4 interface address	10.0.123.1
IPv6 interface address	fe80::1

IS-IS L2 HELLO — Frame 4 | 2020-08-06T12:26:24.173284Z

SystemID {Sender of PDU}	0000.0000.0002
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0002.01
Area	49.0000
IPv4 interface address	10.0.123.2
IPv6 interface address	fe80::2

IS-IS L2 LSP — Frame 5 | 2020-08-06T12:26:24.261432Z

Remaining lifetime	1199
LSP-ID	0000.0000.0001.00-00
Sequence number	0x00000010
Area	49.0000
Hostname	R1
IS neighbor ID	0000.0000.0002.01
IPv4 prefix	10.0.0.1
IPv4 prefix	10.0.123.0

IS-IS L2 HELLO — Frame 6 | 2020-08-06T12:26:24.285641Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3

IS-IS L2 HELLO — Frame 7 | 2020-08-06T12:26:24.36661Z

SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0002.01
Area	49.0000
IPv4 interface address	10.0.123.1
IPv6 interface address	fe80::1

IS-IS L2 LSP — Frame 8 | 2020-08-06T12:26:24.409894Z

Remaining lifetime	1199

R1 (L2-only)	All L2 IS	R2 (L2-only)	R3 (L1/L2)
Gi0		Gi0	Gi0

LSP-ID	0000.0000.0002.01-00
Sequence number	0x00000001
IS neighbor ID	0000.0000.0002.00
IS neighbor ID	0000.0000.0001.00

IS-IS L2 LSP

Frame 9 | 2020-08-06T12:26:24.492969Z

Remaining lifetime	1199
LSP-ID	0000.0000.0002.00-00
Sequence number	0x00000019
Area	49.0000
Hostname	R2
IS neighbor ID	0000.0000.0004.00
IS neighbor ID	0000.0000.0002.01
IPv4 prefix	10.0.0.2
IPv4 prefix	10.2.7.0
IPv4 prefix	10.0.0.7
IPv4 prefix	10.0.123.0

IS-IS L2 HELLO

Frame 10 | 2020-08-06T12:26:25.177836Z

SystemID {Sender of PDU}	0000.0000.0002
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0002.01
Area	49.0000
IPv4 interface address	10.0.123.2
IPv6 interface address	fe80::2

IS-IS L2 HELLO

Frame 11 | 2020-08-06T12:26:25.290944Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 HELLO

Frame 12 | 2020-08-06T12:26:25.375387Z

SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0000
IPv4 interface address	10.0.123.1
IPv6 interface address	fe80::1

IS-IS L2 LSP

Frame 13 | 2020-08-06T12:26:25.453761Z

Remaining lifetime	1199
LSP-ID	0000.0000.0003.00-00
Sequence number	0x00000022
Area	49.0001
Hostname	R3
IS neighbor ID	0000.0000.0004.00
IS neighbor ID	0000.0000.0003.02
IPv4 prefix	10.0.0.3
IPv4 prefix	10.3.4.0
IPv4 prefix	10.0.0.4
IPv4 prefix	10.3.49.0
IPv4 prefix	10.0.0.9
IPv4 prefix	10.0.123.0

IS-IS L2 HELLO

Frame 14 | 2020-08-06T12:26:26.179974Z

SystemID {Sender of PDU}	0000.0000.0002
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0000

R1 (L2-only)	All L2 IS	R2 (L2-only)	R3 (L1/L2)
Gi0		Gi0	Gi0

IPv4 interface address	10.0.123.2
IPv6 interface address	fe80::2

IS-IS L2 HELLO — Frame 15 | 2020-08-06T12:26:26.294561Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 HELLO — Frame 16 | 2020-08-06T12:26:28.928753Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 LSP — Frame 17 | 2020-08-06T12:26:29.263845Z

Remaining lifetime	1199
LSP-ID	0000.0000.0001.00-00
Sequence number	0x00000011
Area	49.0000
Hostname	R1
IS neighbor ID	0000.0000.0003.02
IPv4 prefix	10.0.0.1
IPv4 prefix	10.0.123.0

IS-IS L2 LSP — Frame 18 | 2020-08-06T12:26:29.467323Z

Remaining lifetime	1199
LSP-ID	0000.0000.0002.00-00
Sequence number	0x0000001a
Area	49.0000
Hostname	R2
IS neighbor ID	0000.0000.0004.00
IS neighbor ID	0000.0000.0003.02
IPv4 prefix	10.0.0.2
IPv4 prefix	10.2.7.0
IPv4 prefix	10.0.0.7
IPv4 prefix	10.0.123.0

IS-IS L2 LSP — Frame 19 | 2020-08-06T12:26:30.464174Z

Remaining lifetime	1199
LSP-ID	0000.0000.0003.00-00
Sequence number	0x00000023
Area	49.0001
Hostname	R3
IS neighbor ID	0000.0000.0004.00
IS neighbor ID	0000.0000.0003.02
IPv4 prefix	10.0.0.3
IPv4 prefix	10.3.4.0
IPv4 prefix	10.0.0.4
IPv4 prefix	10.3.49.0
IPv4 prefix	10.0.0.9
IPv4 prefix	10.0.123.0

IS-IS L2 CSNP — Frame 20 | 2020-08-06T12:26:31.983297Z

Source-ID	0000.0000.0003
Start LSP-ID	0000.0000.0000.00-00
End LSP-ID	ffff.ffff.ffff.ff-ff
LSP Sequence Number	0x00000011
LSP-ID	0000.0000.0001.00-00
LSP Sequence Number	0x0000001a

R1 (L2-only)	All L2 IS	R2 (L2-only)	R3 (L1/L2)
🌍 Gi0	📡	🌍 Gi0	🏙️ Gi0

LSP-ID	0000.0000.0002.00-00
🔢 LSP Sequence Number	0x00000001
LSP-ID	0000.0000.0002.01-00
🔢 LSP Sequence Number	0x00000023
LSP-ID	0000.0000.0003.00-00
🔢 LSP Sequence Number	0x00000004
LSP-ID	0000.0000.0003.02-00
🔢 LSP Sequence Number	0x00000027
LSP-ID	0000.0000.0004.00-00

R3 → All L2 IS: 👋 IS-IS L2 HELLO — Frame 21 | 2020-08-06T12:26:32.151161Z

🆔 SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
👑 SystemID {Designated IS}	0000.0000.0003.02
🏠 Area	49.0001
🌐 IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

R1 → All L2 IS: 👋 IS-IS L2 HELLO — Frame 22 | 2020-08-06T12:26:33.830564Z

🆔 SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
👑 SystemID {Designated IS}	0000.0000.0003.02
🏠 Area	49.0000
🌐 IPv4 interface address	10.0.123.1
IPv6 interface address	fe80::1

All L2 IS → R2: 👋 IS-IS L2 HELLO — Frame 23 | 2020-08-06T12:26:33.963065Z

🆔 SystemID {Sender of PDU}	0000.0000.0002
Holding timer	30
Priority	64
👑 SystemID {Designated IS}	0000.0000.0003.02
🏠 Area	49.0000
🌐 IPv4 interface address	10.0.123.2
IPv6 interface address	fe80::2

R3 → All L2 IS: 👋 IS-IS L2 HELLO — Frame 24 | 2020-08-06T12:26:34.892709Z

🆔 SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
👑 SystemID {Designated IS}	0000.0000.0003.02
🏠 Area	49.0001
🌐 IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

All L2 IS → R3: 👋 IS-IS L2 HELLO — Frame 25 | 2020-08-06T12:26:37.432772Z

🆔 SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
👑 SystemID {Designated IS}	0000.0000.0003.02
🏠 Area	49.0001
🌐 IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

All L2 IS → R3: 📋 IS-IS L2 CSNP — Frame 26 | 2020-08-06T12:26:40.502075Z

🆔 Source-ID	0000.0000.0003
Start LSP-ID	0000.0000.0000.00-00
End LSP-ID	ffff.ffff.ffff.ff-ff
🔢 LSP Sequence Number	0x00000011
LSP-ID	0000.0000.0001.00-00
🔢 LSP Sequence Number	0x0000001a
LSP-ID	0000.0000.0002.00-00
🔢 LSP Sequence Number	0x00000001
LSP-ID	0000.0000.0002.01-00
🔢 LSP Sequence Number	0x00000023

R1 (L2-only)	All L2 IS	R2 (L2-only)	R3 (L1/L2)
Gi0		Gi0	Gi0

LSP-ID	0000.0000.0003.00-00
LSP Sequence Number	0x00000004
LSP-ID	0000.0000.0003.02-00
LSP Sequence Number	0x00000027
LSP-ID	0000.0000.0004.00-00

IS-IS L2 HELLO — Frame 27 | 2020-08-06T12:26:40.698999Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 HELLO — Frame 28 | 2020-08-06T12:26:42.79507Z

SystemID {Sender of PDU}	0000.0000.0002
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0000
IPv4 interface address	10.0.123.2
IPv6 interface address	fe80::2

IS-IS L2 HELLO — Frame 29 | 2020-08-06T12:26:43.224763Z

SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0000
IPv4 interface address	10.0.123.1
IPv6 interface address	fe80::1

IS-IS L2 HELLO — Frame 30 | 2020-08-06T12:26:43.878104Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 HELLO — Frame 31 | 2020-08-06T12:26:46.84655Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 CSNP — Frame 32 | 2020-08-06T12:26:49.571917Z

Source-ID	0000.0000.0003
Start LSP-ID	0000.0000.0000.00-00
End LSP-ID	ffff.ffff.ffff.ff-ff
LSP Sequence Number	0x00000011
LSP-ID	0000.0000.0001.00-00
LSP Sequence Number	0x0000001a
LSP-ID	0000.0000.0002.00-00
LSP Sequence Number	0x00000001
LSP-ID	0000.0000.0002.01-00
LSP Sequence Number	0x00000023
LSP-ID	0000.0000.0003.00-00
LSP Sequence Number	0x00000004
LSP-ID	0000.0000.0003.02-00
LSP Sequence Number	0x00000027

R1 (L2-only)	All L2 IS	R2 (L2-only)	R3 (L1/L2)
Gi0		Gi0	Gi0

LSP-ID	0000.0000.0004.00-00

IS-IS L2 HELLO — Frame 33 | 2020-08-06T12:26:49.869807Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 HELLO — Frame 34 | 2020-08-06T12:26:51.680779Z

SystemID {Sender of PDU}	0000.0000.0002
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0000
IPv4 interface address	10.0.123.2
IPv6 interface address	fe80::2

IS-IS L2 HELLO — Frame 35 | 2020-08-06T12:26:52.290748Z

SystemID {Sender of PDU}	0000.0000.0001
Holding timer	30
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0000
IPv4 interface address	10.0.123.1
IPv6 interface address	fe80::1

IS-IS L2 HELLO — Frame 36 | 2020-08-06T12:26:52.821392Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3

IS-IS L2 HELLO — Frame 37 | 2020-08-06T12:26:56.130588Z

SystemID {Sender of PDU}	0000.0000.0003
Holding timer	10
Priority	64
SystemID {Designated IS}	0000.0000.0003.02
Area	49.0001
IPv4 interface address	10.0.123.3
IPv6 interface address	fe80::3