

R6

AllSPFRouters

R5

ospfv3_v4_mtu_mismatch.pcapng

OSPFv3 Hello Packet

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0

Frame 1 |
2020-08-05T12:42:16.873368Z

OSPFv3 Hello Packet

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.6.6.6

Frame 2 |
2020-08-05T12:42:16.879105Z

OSPFv3 DB Description

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000312, L, AF, R, E
Interface MTU	1496
DB Description	0x17, (I) Init, (M) More, (MS) Master
DD Sequence	246541860

Frame 3 |
2020-08-05T12:42:16.879215Z

OSPFv3 Hello Packet

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.5.5.5

Frame 4 |
2020-08-05T12:42:16.879228Z

OSPFv3 DB Description

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	833417267

Frame 5 |
2020-08-05T12:42:16.8793Z

OSPFv3 DB Description

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	246541860
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
Advertising Router	10.10.10.10

Frame 6 |
2020-08-05T12:42:16.879308Z

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AllSPFRouters

R5

Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6

OSPFv3 DB Description

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000312, L, AF, R, E
Interface MTU	1496
DB Description	0x17, (I) Init, (M) More, (MS) Master
DD Sequence	246541860

Frame 7 |
2020-08-05T12:42:21.510045Z

OSPFv3 DB Description

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	246541860
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
Advertising Router	10.10.10.10
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6

Frame 8 |
2020-08-05T12:42:21.510176Z

OSPFv3 Hello Packet

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Router Priority	1
Options	0x000112, AF, R, E
Hello Interval [sec]	10
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.6.6.6

Frame 9 |
2020-08-05T12:42:25.647724Z

OSPFv3 DB Description

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000312, L, AF, R, E
Interface MTU	1496
DB Description	0x17, (I) Init, (M) More, (MS) Master
DD Sequence	246541860

Frame 10 |
2020-08-05T12:42:26.303785Z

OSPFv3 DB Description

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv4 Unicast AF (64)
Options	0x000112, AF, R, E
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	246541860
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
Advertising Router	10.10.10.10
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6

Frame 11 |
2020-08-05T12:42:26.303945Z

R6

AllSPFRouters

R5

OSPFv3 Hello Packet

ID	Source OSPF Router	10.6.6.6
🏠	Area ID	0.0.0.2
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	1
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	0.0.0.0
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.5.5.5

Frame 12 |
2020-08-05T12:42:26.487249Z

OSPFv3 DB Description

ID	Source OSPF Router	10.6.6.6
🏠	Area ID	0.0.0.2
	Instance ID	Base IPv4 Unicast AF (64)
	Options	0x000312, L, AF, R, E
	Interface MTU	1496
	DB Description	0x17, (I) Init, (M) More, (MS) Master
	DD Sequence	246541860

Frame 13 |
2020-08-05T12:42:30.83451Z

OSPFv3 DB Description

ID	Source OSPF Router	10.5.5.5
🏠	Area ID	0.0.0.2
	Instance ID	Base IPv4 Unicast AF (64)
	Options	0x000112, AF, R, E
	Interface MTU	1500
	DB Description	0x02, (M) More
	DD Sequence	246541860
🚩	Advertising Router	10.5.5.5
🚩	Advertising Router	10.6.6.6
🚩	Advertising Router	10.10.10.10
🚩	Advertising Router	10.5.5.5
🚩	Advertising Router	10.6.6.6
🚩	Advertising Router	10.5.5.5
🚩	Advertising Router	10.6.6.6

Frame 14 |
2020-08-05T12:42:30.834761Z

OSPFv3 Hello Packet

ID	Source OSPF Router	10.5.5.5
🏠	Area ID	0.0.0.2
	Instance ID	Base IPv4 Unicast AF (64)
	Router Priority	1
	Options	0x000112, AF, R, E
	Hello Interval [sec]	10
	Router Dead Interval [sec]	40
👑	Designated Router	0.0.0.0
👑	Backup Designated Router	0.0.0.0
👤	Active Neighbor	10.6.6.6

Frame 15 |
2020-08-05T12:42:34.929816Z