

R6

AllSPFRouters

R5

ospfv3_v6_mtu_mismatch.pcapng

👋 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.6.6.6
🏠 Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
Hello Interval [sec]	10
Router Dead Interval [sec]	40
👑 Designated Router	0.0.0.0
👑 Backup Designated Router	0.0.0.0

Frame 1 |
2020-08-05T12:45:05.304787Z

👋 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.5.5.5
🏠 Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
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 |
2020-08-05T12:45:14.402721Z

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.6.6.6
🏠 Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1496
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	224554500

Frame 3 |
2020-08-05T12:45:14.402934Z

👋 OSPFv3 Hello Packet

🆔 Source OSPF Router	10.6.6.6
🏠 Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
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 |
2020-08-05T12:45:14.402946Z

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.5.5.5
🏠 Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	482462615

Frame 5 |
2020-08-05T12:45:14.403091Z

📄 OSPFv3 DB Description

🆔 Source OSPF Router	10.5.5.5
🏠 Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	224554500
🚩 Advertising Router	10.5.5.5
🚩 Advertising Router	10.6.6.6
🚩 Advertising Router	10.5.5.5

Frame 6 |
2020-08-05T12:45:14.403108Z

R6

AllSPFRouters

R5

Advertising Router	10.6.6.6
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6

OSPFv3 Hello Packet

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
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 7 |
2020-08-05T12:45:14.440618Z

OSPFv3 DB Description

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1496
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	224554500

Frame 8 |
2020-08-05T12:45:19.129659Z

OSPFv3 DB Description

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500
DB Description	0x02, (M) More
DD Sequence	224554500
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
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 9 |
2020-08-05T12:45:19.129825Z

OSPFv3 Hello Packet

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Router Priority	1
Options	0x000013, R, E, V6
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 10 |
2020-08-05T12:45:23.656316Z

OSPFv3 DB Description

Source OSPF Router	10.6.6.6
Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1496
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	224554500

Frame 11 |
2020-08-05T12:45:23.714154Z

OSPFv3 DB Description

Source OSPF Router	10.5.5.5
Area ID	0.0.0.2
Instance ID	Base IPv6 Unicast AF (0)
Options	0x000013, R, E, V6
Interface MTU	1500

Frame 12 |
2020-08-05T12:45:23.714263Z

R6

AllSPFRouters

R5

DB Description	0x02, (M) More
DD Sequence	224554500
Advertising Router	10.5.5.5
Advertising Router	10.6.6.6
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 Hello Packet

ID	Source OSPF Router	10.5.5.5
	Area ID	0.0.0.2
	Instance ID	Base IPv6 Unicast AF (0)
	Router Priority	1
	Options	0x000013, R, E, V6
	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 13 |
2020-08-05T12:45:24.260423Z