

R6

AllSPFRouters

R5

ospfv2\_mtu\_mismatch.pcapng

OSPF Hello Packet

Frame 1 | 2020-08-05T12:42:15.868921Z

ID	Source OSPF Router	10.0.0.6
Area ID	Area ID	0.0.0.2
Network Mask	Network Mask	255.255.255.0
Hello Interval [sec]	Hello Interval [sec]	10
Options	Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	Router Priority	1
Router Dead Interval [sec]	Router Dead Interval [sec]	40
Designated Router	Designated Router	0.0.0.0
Backup Designated Router	Backup Designated Router	0.0.0.0

OSPF Hello Packet

Frame 2 | 2020-08-05T12:42:25.022143Z

ID	Source OSPF Router	10.0.0.5
Area ID	Area ID	0.0.0.2
Network Mask	Network Mask	255.255.255.0
Hello Interval [sec]	Hello Interval [sec]	10
Options	Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	Router Priority	1
Router Dead Interval [sec]	Router Dead Interval [sec]	40
Designated Router	Designated Router	0.0.0.0
Backup Designated Router	Backup Designated Router	0.0.0.0
Active Neighbor	Active Neighbor	10.0.0.6

OSPF DB Description

Frame 3 | 2020-08-05T12:42:25.022394Z

ID	Source OSPF Router	10.0.0.6
Area ID	Area ID	0.0.0.2
Interface MTU	Interface MTU	1496
Options	Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	DD Sequence	8696

OSPF Hello Packet

Frame 4 | 2020-08-05T12:42:25.022405Z

ID	Source OSPF Router	10.0.0.6
Area ID	Area ID	0.0.0.2
Network Mask	Network Mask	255.255.255.0
Hello Interval [sec]	Hello Interval [sec]	10
Options	Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	Router Priority	1
Router Dead Interval [sec]	Router Dead Interval [sec]	40
Designated Router	Designated Router	0.0.0.0
Backup Designated Router	Backup Designated Router	0.0.0.0
Active Neighbor	Active Neighbor	10.0.0.5

OSPF DB Description

Frame 5 | 2020-08-05T12:42:25.02258Z

ID	Source OSPF Router	10.0.0.5
Area ID	Area ID	0.0.0.2
Interface MTU	Interface MTU	1500
Options	Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	DD Sequence	919

OSPF DB Description

Frame 6 | 2020-08-05T12:42:25.022594Z

ID	Source OSPF Router	10.0.0.5
Area ID	Area ID	0.0.0.2
Interface MTU	Interface MTU	1500
Options	Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	DB Description	0x02, (M) More
DD Sequence	DD Sequence	8696
Options	Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	LS Type	Router-LSA (1)
Link State ID	Link State ID	10.0.0.5
Advertising Router	Advertising Router	10.0.0.5
Options	Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	LS Type	Router-LSA (1)

**R6**

**AllSPFRouters**

**R5**

Link State ID	10.0.0.6
Advertising Router	10.0.0.6

OSPF Hello Packet

Frame 7 |  
2020-08-05T12:42:25.207731Z

Source OSPF Router	10.0.0.6
Area ID	0.0.0.2
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.5

OSPF DB Description

Frame 8 |  
2020-08-05T12:42:29.538753Z

Source OSPF Router	10.0.0.6
Area ID	0.0.0.2
Interface MTU	1496
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	8696

OSPF DB Description

Frame 9 |  
2020-08-05T12:42:29.539039Z

Source OSPF Router	10.0.0.5
Area ID	0.0.0.2
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x02, (M) More
DD Sequence	8696
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.5
Advertising Router	10.0.0.5
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.6
Advertising Router	10.0.0.6

OSPF Hello Packet

Frame 10 |  
2020-08-05T12:42:34.068061Z

Source OSPF Router	10.0.0.5
Area ID	0.0.0.2
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.6

OSPF DB Description

Frame 11 |  
2020-08-05T12:42:34.339258Z

Source OSPF Router	10.0.0.6
Area ID	0.0.0.2
Interface MTU	1496
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	8696

OSPF DB Description

Frame 12 |  
2020-08-05T12:42:34.339412Z

Source OSPF Router	10.0.0.5
Area ID	0.0.0.2
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x02, (M) More
DD Sequence	8696
Options	0x22, (DC) Demand Circuits, (E) External Routing

R6

AllSPFRouters

R5

LS Type	Router-LSA (1)
Link State ID	10.0.0.5
Advertising Router	10.0.0.5
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.6
Advertising Router	10.0.0.6

OSPF Hello Packet

Frame 13 | 2020-08-05T12:42:34.592623Z

Source OSPF Router	10.0.0.6
Area ID	0.0.0.2
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.5

OSPF DB Description

Frame 14 | 2020-08-05T12:42:39.33382Z

Source OSPF Router	10.0.0.6
Area ID	0.0.0.2
Interface MTU	1496
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x07, (I) Init, (M) More, (MS) Master
DD Sequence	8696

OSPF DB Description

Frame 15 | 2020-08-05T12:42:39.333952Z

Source OSPF Router	10.0.0.5
Area ID	0.0.0.2
Interface MTU	1500
Options	0x52, (O) Opaque, (L) LLS Data block, (E) External Routing
DB Description	0x02, (M) More
DD Sequence	8696
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.5
Advertising Router	10.0.0.5
Options	0x22, (DC) Demand Circuits, (E) External Routing
LS Type	Router-LSA (1)
Link State ID	10.0.0.6
Advertising Router	10.0.0.6

OSPF Hello Packet

Frame 16 | 2020-08-05T12:42:43.995087Z

Source OSPF Router	10.0.0.5
Area ID	0.0.0.2
Network Mask	255.255.255.0
Hello Interval [sec]	10
Options	0x12, (L) LLS Data block, (E) External Routing
Router Priority	1
Router Dead Interval [sec]	40
Designated Router	0.0.0.0
Backup Designated Router	0.0.0.0
Active Neighbor	10.0.0.6