

R3

R1

bfd\_mhop\_sha1.pcapng

**BFD Down**

Diagnostic	No Diagnostic (0x00)
Message Flags	0x44, Authentication Present: Set
Detect Time Multiplier	3 (= 45000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000000
Desired Min TX Interval	15000 ms (15000000 us)
Required Min RX Interval	15000 ms (15000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 1 |  
2020-05-18T12:58:57.514399Z

**BFD Init**

Diagnostic	No Diagnostic (0x00)
Message Flags	0x84, Authentication Present: Set
Detect Time Multiplier	3 (= 45000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	15000 ms (15000000 us)
Required Min RX Interval	15000 ms (15000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 2 |  
2020-05-18T12:58:57.514628Z

**BFD Up**

Diagnostic	No Diagnostic (0x00)
Message Flags	0xe4, Poll: Set, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 3 |  
2020-05-18T12:58:57.515119Z

**BFD Up**

Diagnostic	No Diagnostic (0x00)
Message Flags	0xd4, Final: Set, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 4 |  
2020-05-18T12:58:57.515361Z

**BFD Up**

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 5 |  
2020-05-18T12:58:57.515732Z

**BFD Up**

Diagnostic	No Diagnostic (0x00)
Message Flags	0xe4, Poll: Set, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)

Frame 6 |  
2020-05-18T12:58:57.515928Z

R3

R1

Authentication Type	Keyed SHA1 (4)
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BFD Up

Frame 7 |  
2020-05-18T12:58:57.516472Z

Diagnostic	No Diagnostic (0x00)
Message Flags	0xd4, Final: Set, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

BFD Up

Frame 8 |  
2020-05-18T12:58:57.51669Z

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

BFD Up

Frame 9 |  
2020-05-18T12:59:01.544621Z

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

BFD Up

Frame 10 |  
2020-05-18T12:59:02.115037Z

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

BFD Up

Frame 11 |  
2020-05-18T12:59:06.135474Z

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

BFD Up

Frame 12 |  
2020-05-18T12:59:06.456071Z

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

R3

R1

**BFD Up**

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 13 |  
2020-05-18T12:59:10.618601Z

**BFD Up**

Diagnostic	No Diagnostic (0x00)
Message Flags	0xc4, Authentication Present: Set
Detect Time Multiplier	3 (= 15000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	5000 ms (5000000 us)
Required Min RX Interval	5000 ms (5000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 14 |  
2020-05-18T12:59:11.057932Z

**BFD AdminDown**

Diagnostic	Administratively Down (0x07)
Message Flags	0x04, Authentication Present: Set
Detect Time Multiplier	3 (= 45000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000001
Desired Min TX Interval	15000 ms (15000000 us)
Required Min RX Interval	15000 ms (15000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 15 |  
2020-05-18T12:59:13.418552Z

**BFD Down**

Diagnostic	Neighbor Signaled Session Down (0x03)
Message Flags	0x44, Authentication Present: Set
Detect Time Multiplier	3 (= 45000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000000
Desired Min TX Interval	15000 ms (15000000 us)
Required Min RX Interval	15000 ms (15000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 16 |  
2020-05-18T12:59:13.418918Z

**BFD AdminDown**

Diagnostic	Administratively Down (0x07)
Message Flags	0x04, Authentication Present: Set
Detect Time Multiplier	3 (= 45000 ms Detection time)
My Discriminator	0x00000001
Your Discriminator	0x00000000
Desired Min TX Interval	15000 ms (15000000 us)
Required Min RX Interval	15000 ms (15000000 us)
Required Min Echo Interval	0 ms (0 us)
Authentication Type	Keyed SHA1 (4)

Frame 17 |  
2020-05-18T12:59:13.424521Z