

Requested Bandwidth Unavailable Event

LSP Event Requested Bandwidth Unavailable

Sample Output 1 user@R1> show mpls lsp extensive
[...Output truncated...]
10.0.0.6
From: 10.0.0.1, State: Dn, ActiveRoute: 0, LSPname: R1-to-R6
ActivePath: (none)
LoadBalance: Random
Encoding type: Packet, Switching type: Packet, GPID: IPv4
Primary State: Dn, No-decrement-ttl
Bandwidth: 100Mbps
14 Jan 21 15:43:39 Requested bandwidth unavailable[3 times]
13 Jan 21 15:43:21 Deselected as active
12 Jan 21 15:43:21 **Requested bandwidth unavailable**
11 Jan 21 15:43:21 Clear Call
10 Jan 21 15:42:32 Selected as active path
9 Jan 21 15:42:32 Record Route: 10.1.12.2 10.1.26.2
8 Jan 21 15:42:32 Up
[...Output truncated...]

Sample Output 2 user@R1> show mpls lsp extensive
10.0.0.6
From: 10.0.0.1, State: Dn, ActiveRoute: 0, LSPname: R1-to-R6
ActivePath: (none)
LoadBalance: Random
Encoding type: Packet, Switching type: Packet, GPID: IPv4
Primary State: Dn, No-decrement-ttl
Bandwidth: 100Mbps
31 Jan 21 15:47:40 **10.1.12.2: Requested bandwidth unavailable** [2 times]
30 Jan 21 15:47:37 Originate Call
29 Jan 21 15:47:37 Clear Call
28 Jan 21 15:47:37 Deselected as active
27 Jan 21 15:45:12 Record Route: 10.1.12.2 10.1.26.2
26 Jan 21 15:45:12 Up
[...Output truncated...]

Meaning This LSP event indicates that a router could not supply the requested bandwidth. Sample Output 1 was generated by the ingress router, while Sample Output 2 was generated by router 10.1.12.1, since the IP address precedes the LSP event.

Cause This LSP event is caused by the LSP requesting bandwidth that is not available in a router along the paths to the egress router.

Action Lower the bandwidth assignment of the ingress LSP below the amount of bandwidth available along the path to the egress router, or traffic-engineer other LSPs off the path that you want the ingress LSP to follow, freeing up the necessary bandwidth.