

Explicit Route: Bad Strict Route Event

LSP Event Explicit route: bad strict route

Sample Output 1 user@R1> show mpls lsp extensive
[...Output truncated...]
36 Jan 4 18:04:57 CSPF: link down/deleted 10.1.13.1(R1.00/10.0.0.1)
->10.1.13.2(R3.00/10.0.0.3)
35 Jan 4 18:04:57 CSPF failed: no route toward 10.0.0.6
34 Jan 4 18:04:57 Clear Call
33 Jan 4 18:04:57 **Explicit Route: bad strict route**
32 Jan 4 18:04:57 No Route toward dest
31 Jan 4 18:04:57 Down
[...Output truncated...]

Sample Output 2 user@host> show mpls lsp extensive
Ingress LSP: 34 sessions

10.172.2.99
From: 10.172.162.18, State: Up, ActiveRoute: 3726, LSPname:
dcr2.den_to_dcr1.chd_P
ActivePath: P1_dcr2.den_to_dcr1.chd (primary)
LoadBalance: Random
Metric: 25
Encoding type: Packet, Switching type: Packet, GPID: IPv4
*Primary P1_dcr2.den_to_dcr1.chd State: Up
Received RRO (ProtectionFlag 1=Available 2=InUse 4=B/W 8=Node
10=SoftPreempt):
10.70.192.134
16 Jun 28 18:27:51 Selected as active path
15 Jun 28 18:27:51 Record Route: 10.70.192.134
14 Jun 28 18:27:51 Up
13 Jun 28 18:27:29 Deselected as active
12 Jun 28 18:27:28 No Route toward dest
11 Jun 28 18:27:28 Down
10 Jun 18 03:52:18 Selected as active path
9 Jun 18 03:52:18 Record Route: 10.70.192.134
8 Jun 18 03:52:18 Up
7 Jun 18 03:52:18 Originate Call
6 Jun 18 03:52:18 Clear Call
5 Jun 18 03:52:18 Deselected as active
4 Jun 18 02:56:25 Selected as active path
3 Jun 18 02:56:25 Record Route: 10.70.192.134
2 Jun 18 02:56:25 Up
1 Jun 18 02:56:25 Originate Call
Standby B1_dcr2.den_to_dcr1.chd State: Dn
18 Jun 29 12:49:21 10.70.192.26: Routing loop detected[4798 times]
17 Jun 27 00:53:42 10.70.192.77:
Explicit Route: bad strict route
[20 times]
16 Jun 27 00:39:49 204.70.192.26: Routing loop detected [3370 times]
[...Output truncated...]

Meaning This LSP event indicates that a poorly formed ERO was generated. Sample Outputs 1 and 2 show that this LSP event was caused by different situations described below.

Cause This LSP event can be caused by several factors:

- A strict hop address specified for an LSP on a link that does not have RSVP enabled.
- The `no-cspf` statement included in the LSP configuration.
- An error with the configuration of constraints on a Constrained Shortest Path First (CSPF) LSP generates the `CSPF: No route towards dest` message, followed by the `Explicit Route: bad strict route` event.
- An ERO that causes a routing loop. See Sample Output 2.

Action Examine the strict hop address, remove the `no-cspf` statement, or examine the path and verify that RSVP is enabled on each interface.

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