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Naming the Protocol specified RFC 8029
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Abstract

RFC 8029 specifies the key MPLS Operation, Administration, and Maintenance protocol, sometimes referred to MPLS Label Switched Path (LSP) Ping, or MPLS LSP Ping.

Howerver, the actual name of the protocol have never been explicitly specified or documented. This document corrects that omission.

This document updates RFC 8029.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of BCP 78 and BCP 79.

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Table of Contents

1. Background 2
2. Protocol Name 2
3. IANA Considerations 3
4. Security Considerations 3
5. References 3
5.1. Normative References 3
5.2. Informative References 3
Authors' Addresses 3

1. Background

RFC 8029 [RFC8029] specifies the basis for the main MPLS Operation, Administration, and Maintenance (OAM) protocol. The title of the RFCs is "Detecting Multiprotocol Label Switching (MPLS) Data-Plane Failures".

The title correctly captures what the protocol does, but not what the protocol is called.

RFC 8029 defines two modes for the protocol it specifies, Ping and Traceroute respectively.

RFC 8611 [RFC8611] talks about "MPLS Ping" and "MPLS Ping and Traceroute" interchangeably, when referring to RFC 8029.

The MPLS Working Group Charter (https://datatracker.ietf.org/doc/charter-ietf-mpls/ (https://datatracker.ietf.org/doc/charter-ietf-mpls/)) talks about "LSP Ping" as one of the MPLS key protocols.

Other working groups, e.g. PALS, and BESS have documents citing RFC 8029. However, the name(s) used to reference RFC 8029 are not consistent.

2. Protocol Name

The following paragraph is now added to Section 1.1 "Conventions" in RFC 8029 as the second paragraph.

The protocol defined in this RFC 80929 [RFC8029] is called "MPLS Label Switched Path (LSP) Ping and Traceroute", AKA MPLS LSP Ping.

Whenever a document refers to either "MPLS Label Switched Path Ping and Traceroute", "MPLS LSP Ping" or "LSP Ping" they refer to the protocol specified in RFC 8029 [RFC8029]. When there is a specific text refering to lsp ping or traceroute, they refer to modes of operation.

3. IANA Considerations

This document does not make any IANA requests.

Note to the RFC Editor: Please remove this section before publication.

4. Security Considerations

This document names the protocol that is specified in RFC 8029, and thus does not introduce an new security risks.

5. References

5.1. Normative References

[RFC8029] Kompella, K., Swallow, G., Pignataro, C., Ed., Kumar, N., Aldrin, S., and M. Chen, "Detecting Multiprotocol Label Switched (MPLS) Data-Plane Failures", RFC 8029, DOI 10.17487/RFC8029, March 2017, <https://www.rfc-editor.org/rfc/rfc8029>.

5.2. Informative References

[RFC8611] Akiya, N., Swallow, G., Litkowski, S., Decraene, B., Drake, J., and M. Chen, "Label Switched Path (LSP) Ping and Traceroute Multipath Support for Link Aggregation Group (LAG) Interfaces", RFC 8611, DOI 10.17487/RFC8611, June 2019, <https://www.rfc-editor.org/rfc/rfc8611>.

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