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RFC 3063

        Title: MPLS Loop Prevention Mechanism
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This paper presents a simple mechanism, based on "threads", which
can be used to prevent Multiprotocol Label Switching (MPLS) from
setting up label switched path (LSPs) which have loops. The
mechanism is compatible with, but does not require, VC merge. The
mechanism can be used with either the ordered downstream-on-demand
allocation or ordered downstream allocation. The amount of
information that must be passed in a protocol message is tightly
bounded (i.e., no path-vector is used). When a node needs to change
its next hop, a distributed procedure is executed, but only nodes
which are downstream of the change are involved.

This document is a product of the Multiprotocol Label Switching
Working Group of the IETF.

This memo defines an Experimental Protocol for the Internet community.
It does not specify an Internet standard of any kind. Discussion and
suggestions for improvement are requested. Distribution of this memo
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