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RFC 2873

Title: TCP Processing of the IPv4 Precedence Field
Author(s): X. Xiao, A. Hannan, V. Paxson, E. Crabbe
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Mailbox: xipeng@gblx.net, alan@ivmg.net,
            edc@explosive.net, vern@aciri.org
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This memo describes a conflict between TCP [RFC793] and DiffServ [RFC2475] on the use of the three leftmost bits in the TOS octet of an IPv4 header [RFC791]. In a network that contains DiffServ-capable nodes, such a conflict can cause failures in establishing TCP connections or can cause some established TCP connections to be reset undesirably. This memo proposes a modification to TCP for resolving the conflict.

Because the IPv6 [RFC2460] traffic class octet does not have any defined meaning except what is defined in RFC 2474, and in particular does not define precedence or security parameter bits, there is no conflict between TCP and DiffServ on the use of any bits in the IPv6 traffic class octet.

This is now a Proposed Standard Protocol.

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the standardization state and status of this protocol. Distribution of this memo is unlimited.

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