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**Internet Protocol version 10 (IPv10)
Specification
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Status of this Memo

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Abstract

This document specifies version 10 of the Internet Protocol (IPv10), a solution that allows IPv4-only hosts to communicate with IPv6-only hosts and vice versa.

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This contribution has been withdrawn.

Security Considerations

The security features of IPv10 are described in the Security Architecture for the Internet Protocol [[RFC-2401](#)].

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References

[RFC-2401] Stephen E. Deering and Robert M. Hinden, "IPv6 Specification", [RFC 2460](#), December 1998.

IANA Considerations

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