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[RFC 3280](#)

Title: Internet X.509 Public Key Infrastructure  
Certificate and Certificate Revocation List (CRL)  
Profile  
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This memo profiles the X.509 v3 certificate and X.509 v2 Certificate Revocation List (CRL) for use in the Internet. An overview of this approach and model are provided as an introduction. The X.509 v3 certificate format is described in detail, with additional information regarding the format and semantics of Internet name forms. Standard certificate extensions are described and two Internet-specific extensions are defined. A set of required certificate extensions is specified. The X.509 v2 CRL format is described in detail, and required extensions are defined. An algorithm for X.509 certification path validation is described. An ASN.1 module and examples are provided in the appendices.

This document is a product of the Internet X.509 Public Key Infrastructure (PKIX) Working Group of the IETF.

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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