

Request for Comments Summary

RFC Numbers 2800-2899

Status of This Memo

This RFC is a slightly annotated list of the 100 RFCs from RFC 2800 through RFCs 2899. This is a status report on these RFCs. This memo provides information for the Internet community. It does not specify an Internet standard of any kind. Distribution of this memo is unlimited.

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Note

Many RFCs, but not all, are Proposed Standards, Draft Standards, or Standards. Since the status of these RFCs may change during the standards processing, we note here only that they are on the standards track. Please see the latest edition of "Internet Official Protocol Standards" for the current state and status of these RFCs. In the following, RFCs on the standards track are marked [STANDARDS-TRACK].

RFC ---	Author -----	Date ----	Title -----
2899	Ginoza	May 2001	Request for Comments Summary

This memo.

2898	Kaliski	Sep 2000	PKCS #5: Password-Based Cryptography Specification Version 2.0
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This document provides recommendations for the implementation of password-based cryptography, covering key derivation functions, encryption schemes, message-authentication schemes, and ASN.1 syntax identifying the techniques. This memo provides information for the Internet community.

2886 Taylor Sep 2000 Megaco Errata

This document records the errors found in the Megaco/H.248 protocol document, along with the changes proposed in the text of that document to resolve them. [STANDARDS TRACK]

2885 Cuervo Sep 2000 Megaco Protocol version 0.8

This document is common text with Recommendation H.248 as redetermined in Geneva, February 2000. It must be read in conjunction with the Megaco Errata, RFC 2886. [STANDARDS TRACK]

2884 Hadi Salim Jul 2000 Performance Evaluation of Explicit Congestion Notification (ECN) in IP Networks

This memo presents a performance study of the Explicit Congestion Notification (ECN) mechanism in the TCP/IP protocol using our implementation on the Linux Operating System. This memo provides information for the Internet community.

2883 Floyd Jul 2000 An Extension to the Selective Acknowledgement (SACK) Option for TCP

This note defines an extension of the Selective Acknowledgement (SACK) Option for TCP. [STANDARDS TRACK]

2882 Mitton Jul 2000 Network Access Servers Requirements: Extended RADIUS Practices

This document describes current practices implemented in NAS products that go beyond the scope of the RADIUS (Remote Authentication Dial In User Service) RFCs 2138, 2139. This memo provides information for the Internet community.

2875 Prafullchandra Jul 2000 Diffie-Hellman
Proof-of-Possession Algorithms

This document describes two methods for producing an integrity check value from a Diffie-Hellman key pair. [STANDARDS TRACK]

2874 Crawford Jul 2000 DNS Extensions to Support IPv6
Address Aggregation and
Renumbering

This document defines changes to the Domain Name System to support renumberable and aggregatable IPv6 addressing. [STANDARDS TRACK]

2873 Xiao Jun 2000 TCP Processing of the IPv4
Precedence Field

This memo describes a conflict between TCP and DiffServ on the use of the three leftmost bits in the TOS octet of an IPv4 header. [STANDARDS TRACK]

2872 Bernet Jun 2000 Application and Sub
Application Identity Policy
Element for Use with RSVP

RSVP signaling messages typically include policy data objects, which in turn contain policy elements. Policy elements may describe user and/or application information, which may be used by RSVP aware network elements to apply appropriate policy decisions to a traffic flow. This memo details the usage of policy elements that provide application information. [STANDARDS TRACK]

2871 Rosenberg Jun 2000 A Framework for Telephony
Routing over IP

This document serves as a framework for Telephony Routing over IP (TRIP), which supports the discovery and exchange of IP telephony gateway routing tables between providers. This memo provides information for the Internet community.

2870 Bush Jun 2000 Root Name Server Operational Requirements

The primary focus of this document is to provide guidelines for operation of the root name servers. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2869 Rigney Jun 2000 RADIUS Extensions

This document describes additional attributes for carrying authentication, authorization and accounting information between a Network Access Server (NAS) and a shared Accounting Server using the Remote Authentication Dial In User Service (RADIUS) protocol described in RFC 2865 and RFC 2866. This memo provides information for the Internet community.

2868 Zorn Jun 2000 RADIUS Attributes for Tunnel Protocol Support

This document defines a set of RADIUS (Remote Authentication Dial In User Service) attributes designed to support the provision of compulsory tunneling in dial-up networks. This memo provides information for the Internet community.

2867 Zorn Jun 2000 RADIUS Accounting Modifications for Tunnel Protocol Support

This document defines new RADIUS (Remote Authentication Dial In User Service) accounting Attributes and new values for the existing Acct-Status-Type Attribute designed to support the provision of compulsory tunneling in dial-up networks. This memo provides information for the Internet community.

2866 Rigney Jun 2000 RADIUS Accounting

This document describes a protocol for carrying accounting information between a Network Access Server and a shared Accounting Server. This memo provides information for the Internet community.

2865 Rigney Jun 2000 Remote Authentication Dial In
User Service (RADIUS)

This document describes a protocol for carrying authentication, authorization, and configuration information between a Network Access Server which desires to authenticate its links and a shared Authentication Server. [STANDARDS TRACK]

2864 McCloghrie Jun 2000 The Inverted Stack Table
Extension to the Interfaces
Group MIB

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in the Internet community. In particular, it describes managed objects which provide an inverted mapping of the interface stack table used for managing network interfaces. [STANDARDS TRACK]

2863 McCloghrie Jun 2000 The Interfaces Group MIB

This memo discusses the 'interfaces' group of MIB-II, especially the experience gained from the definition of numerous media-specific MIB modules for use in conjunction with the 'interfaces' group for managing various sub-layers beneath the internetwork-layer. It specifies clarifications to, and extensions of, the architectural issues within the MIB-II model of the 'interfaces' group. [STANDARDS TRACK]

2862 Civanlar Jun 2000 RTP Payload Format for
Real-Time Pointers

This document describes an RTP payload format for transporting the coordinates of a dynamic pointer that may be used during a presentation. [STANDARDS TRACK]

2861 Handley Jun 2000 TCP Congestion Window
Validation

This document describes a simple modification to TCP's congestion control algorithms to decay the congestion window cwnd after the transition from a sufficiently-long application-limited period, while using the slow-start threshold ssthresh to save information about the previous value of the congestion window. This memo defines an Experimental Protocol for the Internet community.

2855 Fujisawa Jun 2000 DHCP for IEEE 1394

This memo describes specific usage of some fields of DHCP (Dynamic Host Configuration Protocol) messages. IEEE Std 1394-1995 is a standard for a High Performance Serial Bus. Since 1394 uses a different link-layer addressing method than conventional IEEE802/Ethernet, the usage of some fields must be clarified to achieve interoperability. [STANDARDS TRACK]

2854 Connolly Jun 2000 The 'text/html' Media Type

This document summarizes the history of HTML development, and defines the "text/html" MIME type by pointing to the relevant W3C recommendations. This memo provides information for the Internet community.

2853 Kabat Jun 2000 Generic Security Service API
Version 2 : Java Bindings

This document specifies the Java bindings for GSS-API (Generic Security Service Application Program Interface) which is described at a language independent conceptual level in RFC 2743. [STANDARDS TRACK]

2852 Newman Jun 2000 Deliver By SMTP Service
Extension

This memo defines a mechanism whereby a SMTP client can request, when transmitting a message to a SMTP server, that the server deliver the message within a prescribed period of time. [STANDARDS TRACK]

2851 Daniele Jun 2000 Textual Conventions for
Internet Network Addresses

This MIB module defines textual conventions to represent commonly used Internet network layer addressing information. [STANDARDS TRACK]

2850 IAB May 2000 Charter of the Internet
Architecture Board (IAB)

This memo documents the composition, selection, roles, and organization of the Internet Architecture Board. It replaces RFC 1601. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2849 Good Jun 2000 The LDAP Data Interchange
Format (LDIF) - Technical
Specification

This document describes a file format suitable for describing directory information or modifications made to directory information. [STANDARDS TRACK]

2848 Petrack Jun 2000 The PINT Service Protocol:
Extensions to SIP and SDP for
IP Access to Telephone Call
Services

This document contains the specification of the PINT Service Protocol 1.0, which defines a protocol for invoking certain telephone services from an IP network. [STANDARDS TRACK]

2847 Eisler Jun 2000 LIPKEY - A Low Infrastructure
Public Key Mechanism Using SPKM

This memorandum describes a method whereby one can use GSS-API (Generic Security Service Application Program Interface) to supply a secure channel between a client and server, authenticating the client with a password, and a server with a public key certificate. [STANDARDS TRACK]

2846 Allocchio Jun 2000 GSTN Address Element
Extensions in E-mail Services

This memo defines a full syntax for a specific application in which there is a need to represent GSTN (Global Switched Telephone Network) addressing and Internet addressing. [STANDARDS TRACK]

2845 Vixie May 2000 Secret Key Transaction
Authentication for DNS (TSIG)

This protocol allows for transaction level authentication using shared secrets and one way hashing. It can be used to authenticate dynamic updates as coming from an approved client, or to authenticate responses as coming from an approved recursive name server. [STANDARDS TRACK]

2844 Przygienda May 2000 OSPF over ATM and Proxy-PAR

This memo specifies, for OSPF implementors and users, mechanisms describing how the protocol operates in ATM networks over PVC (Permanent Virtual Connections) and SVC (Switched Virtual Circuit) meshes with the presence of Proxy-PAR (PNNI Augmented Routing). This memo defines an Experimental Protocol for the Internet community.

2843 Droz May 2000 Proxy-PAR

The intention of this document is to provide general information about Proxy-PAR (PNNI Augmented Routing). [STANDARDS TRACK]

2842 Chandra May 2000 Capabilities Advertisement with BGP-4

This document defines new Optional Parameter, called Capabilities, that is expected to facilitate introduction of new capabilities in BGP by providing graceful capability advertisement without requiring that BGP peering be terminated. [STANDARDS TRACK]

2841 Metzger Nov 2000 IP Authentication using Keyed SHA1 with Interleaved Padding (IP-MAC)

This document describes the use of keyed SHA1 (Secure Hash Algorithm) with the IP Authentication Header. This memo defines a Historic Document for the Internet community.

2840 Altman May 2000 TELNET KERMIT OPTION

This document describes an extension to the Telnet protocol to allow the negotiation, coordination, and use of the Kermit file transfer and management protocol over an existing Telnet protocol connection. This memo provides information for the Internet community.

2839 da Cruz May 2000 Internet Kermit Service

This document describes a new file transfer service for the Internet based on Telnet Protocol for option negotiation and Kermit Protocol for file transfer and management. This memo provides information for the Internet community.

2834 Pittet May 2000 ARP and IP Broadcast over
HIPPI-800

This document specifies a method for resolving IP addresses to ANSI High-Performance Parallel Interface (HIPPI) hardware addresses and for emulating IP broadcast in a logical IP subnet (LIS) as a direct extension of HARP (hardware addresses). This memo defines a HARP that will interoperate between HIPPI-800 and HIPPI-6400 (also known as Gigabyte System Network, GSN). This document (when combined with RFC 2067 "IP over HIPPI") obsoletes RFC 1374. [STANDARDS TRACK]

2833 Schulzrinne May 2000 RTP Payload for DTMF Digits,
Telephony Tones and Telephony
Signals

This memo describes how to carry dual-tone multifrequency (DTMF) signaling, other tone signals and telephony events in RTP packets. [STANDARDS TRACK]

2832 Hollenbeck May 2000 NSI Registry Registrar
Protocol (RRP) Version 1.1.0

This document describes a protocol for the registration and management of second level domain names and associated name servers in both generic Top Level Domains (gTLDs) and country code Top Level Domains (ccTLDs). This memo provides information for the Internet community.

2831 Leach May 2000 Using Digest Authentication as
a SASL Mechanism

This specification defines how HTTP Digest Authentication can be used as a SASL mechanism for any protocol that has a SASL (Simple Authentication and Security Layer) profile. [STANDARDS TRACK]

2830 Hodges May 2000 Lightweight Directory Access
Protocol (v3): Extension for
Transport Layer Security

This document defines the "Start Transport Layer Security (TLS) Operation" for LDAP. [STANDARDS TRACK]

2829 Wahl May 2000 Authentication Methods for
LDAP

This document specifies particular combinations of security mechanisms which are required and recommended in LDAP implementations. [STANDARDS TRACK]

2828 Shirey May 2000 Internet Security Glossary

This Glossary provides abbreviations, explanations, and recommendations for use of information system security terminology. This memo provides information for the Internet community.

2827 Ferguson May 2000 Network Ingress Filtering:
Defeating Denial of Service
Attacks which employ IP Source
Address Spoofing

This paper discusses a simple, effective, and straightforward method for using ingress traffic filtering to prohibit DoS (Denial of Service) attacks which use forged IP addresses to be propagated from 'behind' an Internet Service Provider's (ISP) aggregation point. This document specifies an Internet Best Current Practices for the Internet Community, and requests discussion and suggestions for improvements.

2826 IAB May 2000 IAB Technical Comment on the
Unique DNS Root

This document discusses the existence of a globally unique public name space in the Internet called the DNS (Domain Name System). This name space is a hierarchical name space derived from a single, globally unique root. It is a technical constraint inherent in the design of the DNS. One root must be supported by a set of coordinated root servers administered by a unique naming authority. It is not technically feasible for there to be more than one root in the public DNS. This memo provides information for the Internet community.

2825 IAB May 2000 A Tangled Web: Issues of I18N, Domain Names, and the Other Internet protocols

This document is a statement by the Internet Architecture Board. It is not a protocol specification, but an attempt to clarify the range of architectural issues that the internationalization of domain names faces. This memo provides information for the Internet community.

2824 Lennox May 2000 Call Processing Language Framework and Requirements

This document describes an architectural framework we call a processing language, as a simple and standardized way for implementing and deploying Internet telephony. A large number of the services we wish to make possible for Internet telephony require fairly elaborate combinations of signalling operations, often in network devices, to complete. It also outlines requirements for such a language. This memo provides information for the Internet community.

2823 Carlson May 2000 PPP over Simple Data Link (SDL) using SONET/SDH with ATM-like framing

This document extends methods found in the Point-to-Point Protocol (PPP) and RFCs 1662 and 2615 to include a new encapsulation for PPP called Simple Data Link (SDL). SDL provides a standard method for transporting multi-protocol datagrams over point-to-point links, and RFCs 1662 and 2615 provide a means to carry PPP over Synchronous Optical Network (SONET) and Synchronous Digital Hierarchy (SDH) circuits. SDL provides a very low overhead alternative to HDLC-like encapsulation, and can also be used on SONET/SDH links. This memo defines an Experimental Protocol for the Internet community.

2822 Resnick Apr 2001 Internet Message Format

This document specifies a syntax for text messages that are sent between computer users, within the framework of "electronic mail" messages. [STANDARDS TRACK]

2821 Klensin Apr 2001 Simple Mail Transfer Protocol

This document is a self-contained specification of the basic protocol for the Internet electronic mail transport. [STANDARDS TRACK]

2820 Stokes May 2000 Access Control Requirements for LDAP

This document describes the fundamental requirements of an access control list (ACL) model for the Lightweight Directory Application Protocol (LDAP) directory service. This memo provides information for the Internet community.

2819 Waldbusser May 2000 Remote Network Monitoring Management Information Base

This memo defines a portion of the Management Information Base (MIB) for use with network management protocols in TCP/IP-based internets. In particular, it defines objects for managing remote network monitoring devices. [STANDARDS TRACK]

2818 Rescorla May 2000 HTTP Over TLS

This memo describes how to use Transport Layer Security (TLS) to secure Hypertext Transfer Protocol (HTTP) connections over the Internet. This memo provides information for the Internet community.

2817 Khare May 2000 Upgrading to TLS Within HTTP/1.1

This memo explains how to use the Upgrade mechanism in HTTP/1.1 to initiate Transport Layer Security (TLS) over an existing TCP connection. [STANDARDS TRACK]

2816 Ghanwani May 2000 A Framework for Integrated Services Over Shared and Switched IEEE 802 LAN Technologies

This memo describes a framework for supporting IETF Integrated Services on shared and switched LAN infrastructure. This memo provides information for the Internet community.

2815 Seaman May 2000 Integrated Service Mappings on IEEE 802 Networks

This document describes mappings of IETF Integrated Services over LANs built from IEEE 802 network segments which may be interconnected by IEEE 802.1D MAC Bridges (switches). [STANDARDS TRACK]

2814 Yavatkar May 2000 SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control over IEEE 802-style networks

This document describes a signaling method and protocol for RSVP-based admission control over IEEE 802-style LANs. [STANDARDS TRACK]

2813 Kalt Apr 2000 Internet Relay Chat: Server Protocol

This document defines the protocol used by servers to talk to each other. This memo provides information for the Internet community.

2812 Kalt Apr 2000 Internet Relay Chat: Client Protocol

This document defines the Client Protocol, and assumes that the reader is familiar with the IRC Architecture. This memo provides information for the Internet community.

2811 Kalt Apr 2000 Internet Relay Chat: Channel Management

This document specifies how channels, their characteristics and properties are managed by IRC servers. This memo provides information for the Internet community.

2810 Kalt Apr 2000 Internet Relay Chat: Architecture

This document is an update describing the architecture of the current IRC protocol and the role of its different components. Other documents describe in detail the protocol used between the various components defined here. This memo provides information for the Internet community.

2809 Aboba Apr 2000 Implementation of L2TP
Compulsory Tunneling via
RADIUS

This document discusses implementation issues arising in the provisioning of compulsory tunneling in dial-up networks using the L2TP (Layer Two Tunneling Protocol) protocol. This memo provides information for the Internet community.

2808 Nystrom Apr 2000 The SecurID(r) SASL Mechanism

This document defines a SASL (Simple Authentication and Security Layer) authentication mechanism using SecurID (a hardware token card product (or software emulation thereof) produced by RSA Security Inc., which is used for end-user authentication), thereby providing a means for such tokens to be used in SASL environments. This mechanism is only is only for authentication, and has no effect on the protocol encoding and is not designed to provide integrity or confidentiality services. This memo provides information for the Internet community.

2807 Reagle Jul 2000 XML Signature Requirements

This document lists the design principles, scope, and requirements for the XML Digital Signature specification. It includes requirements as they relate to the signature syntax, data model, format, cryptographic processing, and external requirements and coordination. This memo provides information for the Internet community.

2806 Vaha-Sipila Apr 2000 URLs for Telephone Calls

This document specifies URL (Uniform Resource Locator) schemes "tel", "fax" and "modem" for specifying the location of a terminal in the phone network and the connection types (modes of operation) that can be used to connect to that entity. [STANDARDS TRACK]

2800 Reynolds May 2001 Internet Official Protocol Standards

This memo contains a snapshot of the state of standardization of protocols used in the Internet as of April 17, 2001. It lists only official protocol standards RFCs; it is not a complete index to the RFC series. [STANDARDS TRACK]

Security Considerations

This memo does not affect the technical security of the Internet, but may cite important security specifications.

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