

Supported RFCs

FortiAnalyzer, FortiMail, FortiManager, FortiOS 5.4, FortiSwitch, and FortiWeb

VERSION 5.4



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FortiAnalyzer, FortiMail, FortiManager, FortiOS 5.4, FortiSwitch, and FortiWeb

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What's new in FortiOS 5.4

- **The following RFCs are supported by FortiOS 5.4:**

| Number | Title |
|----------|--|
| RFC 3021 | Using 31-Bit Prefixes on IPv4 Point-to-Point Links (226061) (89752) |
| RFC 3596 | DNS Extensions to support IPv6 |
| RFC 4007 | IPv6 Scoped Address Architecture |
| RFC 4193 | Unique Local IPv6 Unicast Addresses (111971) |
| RFC 7539 | ChaCha20 and Poly1305 for IETF Protocols (264785) |
| RFC 6888 | Common Requirements for Carrier-Grade NATs (CGNs) |
| RFC 6290 | A Quick Crash Detection Method for the Internet Key Exchange Protocol (IKE) (298970) |
| RFC 6106 | IPv6 Router Advertisement Options for DNS Configuration (266061) |
| RFC 5996 | Internet Key Exchange Protocol Version 2 (IKEv2) (255144) |
| RFC 5723 | Internet Key Exchange Protocol Version 2 (IKEv2) Session Resumption (289914) |
| RFC 5177 | Network Mobility (NEMO) Extensions for Mobile IPv4 (249570) |
| RFC 5176 | Dynamic Authorization Extensions to Remote Authentication Dial In User Service (RADIUS) (239028) |
| RFC 4754 | IKE and IKEv2 Authentication Using the Elliptic Curve Digital Signature Algorithm (ECDSA) (0206110) |
| RFC 4478 | Repeated Authentication in Internet Key Exchange (IKEv2) Protocol (282025) |
| RFC 4304 | Extended Sequence Number (ESN) Addendum to IPsec Domain of Interpretation (DOI) for Internet Security Association and Key Management Protocol (ISAKMP) |
| RFC 4303 | IP Encapsulating Security Payload (ESP) (255144) |
| RFC 4106 | The Use of Galois/Counter Mode (GCM) in IPsec Encapsulating Security Payload (ESP) |
| RFC 2516 | A Method for Transmitting PPP Over Ethernet (PPPoE) (213945) |
| RFC 2231 | MIME Parameter Value and Encoded Word Extensions: Character Sets, Languages, and Continuations (280039) |

Note: Descriptions may also include a feature number that references the internal Fortinet tracking ID.

FortiAnalyzer

RFC 2665

Description:

Ethernet-like MIB parts that apply to FortiAnalyzer units.

Category:

FortiAnalyzer

Webpage:

<http://tools.ietf.org/html/rfc2665>

RFC 1918

Description:

Address Allocation for Private Internets.

Category:

FortiAnalyzer

Webpage:

<http://tools.ietf.org/html/rfc1918>

RFC 1213

Description:

MIB II parts that apply to FortiAnalyzer units.

Category:

FortiAnalyzer

Webpage:

<http://tools.ietf.org/html/rfc1213>

FortiMail

For a complete list of FortiMail's supported RFCs and standards, refer to FortiMail documentation at <http://docs.fortinet.com/fortimail/admin-guides>.

Download the FortiMail Administration Guide for your release and navigate to "Appendix A: Supported RFCs".

FortiManager

RFC 3414

Description:

User-Based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc3414>

NOTE: FortiOS 4.0 MR1 adds the SNMPv3 snmp EngineID value defined in RFC3414. For more details please see the "FortiGate™ version 4.0 MR1 Administration Guide".

RFC 2665

Description:

Ethernet-like MIB parts that apply to FortiManager units.

Category:

FortiManager (SNMP)

Webpage:

<http://tools.ietf.org/html/rfc2665>

RFC 1213

Description:

MIB II parts that apply to FortiManager units.

Category:

FortiManager (SNMP)

Webpage:

<http://tools.ietf.org/html/rfc1213>

Notes

RFC support for SNMP v3 includes Architecture for SNMP Frameworks (as described in [RFC 3411](#)). Generic Fortinet traps : ColdStart, WarmStart, LinkUp, LinkDown (as described in [RFC 1215](#)).

FortiOS

RFC 3021

Description:

Using 31-Bit Prefixes on IPv4 Point-to-Point Links.

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc3021>

RFC 3596

Description:

DNS Extensions to support IPv6.

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc3596>

RFC 4007

Description:

IPv6 Scoped Address Architecture.

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc4007>

RFC 4193

Description:

Unique Local IPv6 Unicast Addresses (111971).

Category:

Informational

Webpage:

<http://tools.ietf.org/html/rfc4193>

RFC 7539

Description:

ChaCha20 and Poly1305 for IETF Protocols (264785).

Category:

Informational

Webpage:

<http://tools.ietf.org/html/rfc7539>

RFC 7027

Description:

Elliptic Curve Cryptography (ECC) Brainpool Curves for Transport Layer Security (TLS).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc7027>

Updates:

RFC 4492

RFC 7026

Description:

Retiring TLVs from the Associated Channel Header of the MPLS Generic Associated Channel.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc7026>

Updates:

RFC 5586

RFC 6989

Description:

Additional Diffie-Hellman Tests for the Internet Key Exchange Protocol version 2 (IKEv2).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6989>

RFC 6918

Description:

Formally Deprecating Some ICMPv4 Message Types.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6918>

Obsoletes:

RFC 1788

Updates:

RFC 792, RFC 950

RFC 6895

Description:

Domain Name System (DNS) IANA Considerations.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6895>

Obsoletes:

RFC 6195

Updates:

RFC 1183, RFC 2845, RFC 2930, RFC 3597

RFC 6888

Description:

Common Requirements for Carrier-Grade NATs (CGNs).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc6888>

RFC 6864

Description:

Updated Specification of the IPv4 ID Field.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6864>

Updates:

RFC 791, RFC 1122, RFC 2003

RFC 6860

Description:

Hiding Transit-Only Networks in OSPF.

Category:

OSPF

Webpage:

<http://tools.ietf.org/html/rfc6860>

Updates:

RFC 2328, RFC 5340

RFC 6845

Description:

OSPF Hybrid Broadcast and Point-to-Multipoint Interface Type.

Category:

OSPF

Webpage:<http://tools.ietf.org/html/rfc6845>**Updates:**

RFC 2328, RFC 5340

RFC 6829

Description:

Label Switched Path (LSP) Ping for Pseudowire Forwarding Equivalence Classes (FECs) Advertised over IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:<http://tools.ietf.org/html/rfc6829>**Updates:**

RFC 4379

RFC 6691

Description:

TCP Options and Maximum Segment Size (MSS).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:<http://tools.ietf.org/html/rfc6691>

RFC 6633

Description:

Deprecation of ICMP Source Quench Messages.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:<http://tools.ietf.org/html/rfc6633>

Updates:

RFC 792, RFC 1122, RFC 1812

RFC 6604

Description:

xNAME RCODE and Status Bits Clarification.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6604>

Updates:

RFC 1035, RFC 2308, RFC 2672

RFC 6426

Description:

MPLS On-Demand Connectivity Verification and Route Tracing.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6426>

Updates:

RFC 4379

RFC 6425

Description:

Detecting Data-Plane Failures in Point-to-Multipoint MPLS - Extensions to LSP Ping.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6425>

Updates:

RFC 4379

RFC 6424

Description:

Mechanism for Performing Label Switched Path Ping (LSP Ping) over MPLS Tunnels.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6424>

Updates:

RFC 4379

RFC 6423

Description:

Using the Generic Associated Channel Label for Pseudowire in the MPLS Transport Profile (MPLS-TP).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6423>

Updates:

RFC 5586

RFC 6347

Description:

Datagram Transport Layer Security version 1.2.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6347>

Obsoletes:

RFC 4347

RFC 6343

Description:

Advisory Guidelines for 6to4 Deployment.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6343>

RFC 6298

Description:

Computing TCP's Retransmission Timer.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6298>

Obsoletes:

RFC 2988

Updates:

RFC 1122

RFC 6290

Description:

A Quick Crash Detection Method for the Internet Key Exchange Protocol (IKE) (298970).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc6290>

RFC 6195

Description:

On the Implementation of the TCP Urgent Mechanism.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6195>

Updates:

RFC 793, RFC 1011, RFC 1122

RFC 6176

Description:

Prohibiting Secure Sockets Layer (SSL) version 2.0.

Category:

System (SSL)

Webpage:

<http://tools.ietf.org/html/rfc6176>

Updates:

RFC 5246, RFC 4346, RFC 2246

RFC 6147

Description:

DNS64: DNS Extensions for Network Address Translation from IPv6 Clients to IPv4 Servers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6147>

RFC 6146

Description:

Stateful NAT64: Network Address and Protocol Translation from IPv6 Clients to IPv4 Servers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6146>

RFC 6106

Description:

IPv6 Router Advertisement Options for DNS Configuration (266061).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc6106>

Obsoletes:

RFC 5006

RFC 6101

Description:

The Secure Sockets Layer (SSL) Protocol version 3.0.

Category:

System (SSL)

Webpage:

<http://tools.ietf.org/html/rfc6101>

RFC 6093

Description:

On the Implementation of the TCP Urgent Mechanism.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6093>

Updates:

RFC 793, RFC 1011, RFC 1122

RFC 6066

Description:

Transport Layer Security (TLS) Extensions: Extension Definitions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc6066>

Obsoletes:

RFC 4366

RFC 5998

Description:

An Extension for EAP-Only Authentication in IKEv2).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5998>

RFC 5996

Description:

Internet Key Exchange Protocol version 2 (IKEv2).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5996>

Obsoletes:

RFC 4306, RFC 4718

RFC 5952

Description:

A Recommendation for IPv6 Address Text Representation.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5952>

Obsoletes:

RFC 4291

RFC 5936

Description:

DNS Zone Transfer Protocol (AXFR).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5936>

Updates:

RFC 1034, RFC 1035

RFC 5884

Description:

Bidirectional Forwarding Detection (BFD) for MPLS Label Switched Paths (LSPs).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5884>

Updates:

RFC 1122

RFC 5881

Description:

Bidirectional Forwarding Detection (BFD) for IPv4 and IPv6 (Single Hop).

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc5881>

RFC 5880

Description:

Bidirectional Forwarding Detection.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc5880>

RFC 5798

Description:

Virtual Router Redundancy Protocol (VRRP) version 3 for IPv4 and IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5798>

Obsoletes:

RFC 3768

RFC 5746

Description:

Transport Layer Security (TLS) Renegotiation Indication Extension.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5746>

Updates:

RFC 5246, RFC 4366, RFC 4347, RFC 4346, RFC 2246

RFC 5723

Description:

Internet Key Exchange Protocol Version 2 (IKEv2) Session Resumption (289914).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/search/rfc5723>

RFC 5709

Description:

OSPFv2 HMAC-SHA Cryptographic Authentication.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/search/rfc5709>

Updates:

RFC 2328

RFC 5586 (Updated)

Description:

MPLS Generic Associated Channel.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/search/rfc5586>

Updates:

RFC 3032, RFC 4385, RFC 5085

Updated by:

[RFC 6423](#), [RFC 7026](#)

RFC 5462

Description:

Multiprotocol Label Switching (MPLS) Label Stack Entry: "EXP" Field Renamed to "Traffic Class" Field.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/search/rfc5462>

Updates:

RFC 3032, RFC 3270, RFC 3272, RFC 3443, RFC 3469, RFC 3564, RFC 3985, RFC 4182, RFC 4364, RFC 4448, RFC 4761, RFC 5129

RFC 5395 (Obsoleted)**Description:**

Domain Name System (DNS) IANA Considerations.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5395>

Obsoletes:

RFC 2929

Updates:

RFC 1183, RFC 3597

Obsoleted by:

[RFC 6195](#)

RFC 5357**Description:**

A Two-Way Active Measurement Protocol (TWAMP)

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5357>

RFC 5340 (Updated)**Description:**

OSPF for IPv6.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc5340>

Obsoletes:

RFC 2740

Updated by:

RFC 6845, RFC 6860

RFC 5332

Description:

MPLS Multicast Encapsulations.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5332>

Updates:

RFC 3032, RFC 4023

RFC 5310

Description:

IS-IS Generic Cryptographic Authentication.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc5310>

RFC 5308

Description:

Routing IPv6 with IS-IS.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc5308>

RFC 5246

Description:

The Transport Layer Security (TLS) Protocol version 1.2.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5246>

Obsoletes:

RFC 3268, RFC 4346, RFC 4366

Updates:

RFC 4492

RFC 5280

Description:

Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc5280>

Obsoletes:

RFC 3280, RFC 4325, RFC 4630

RFC 5214

Description:

Intra-Site Automatic Tunnel Addressing Protocol (ISATAP).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5214>

Obsoletes:

RFC 4214

RFC 5177

Description:

Network Mobility (NEMO) Extensions for Mobile IPv4 (249570).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc5177>

RFC 5176

Description:

Dynamic Authorization Extensions to Remote Authentication Dial In User Service (RADIUS) (239028).

Category:

Informational

Webpage:

<http://tools.ietf.org/html/rfc5176>

Obsoletes:

RFC 3576

RFC 5175

Description:

IPv6 Router Advertisement Flags Option.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5175>

Obsoletes:

RFC 5075

RFC 5129 (Updated)

Description:

Explicit Congestion Marking in MPLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5129>

Updated by:

RFC 5462

RFC 5095

Description:

Deprecation of Type 0 Routing Headings in IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc5095>

Updates:

RFC 2460, RFC 4294

RFC 5059

Description:

Bootstrap Router (BSR) Mechanism for Protocol Independent Multicast (PIM).

Category:

Router (PIM)

Webpage:

<http://tools.ietf.org/search/rfc5059>

Updates:

RFC 4601

RFC 4966

Description:

Reasons to Move the Network Address Translator - Protocol Translator (NAT-PT) to Historic Status.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4966>

Obsoletes:

RFC 2766

RFC 4960

Description:

Stream Control Transmission Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4960>

Obsoletes:

RFC 2960, RFC 3309

RFC 4941

Description:

Privacy Extensions for Stateless Address Autoconfiguration in IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4941>

Obsoletes:

RFC 3041

RFC 4893

Description:

BGP Support for Four-octet AS Number Space.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc4893>

RFC 4884

Description:

Extended ICMP to Support Multi-Part Messages.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4884>

Updates:

RFC 792, RFC 4443

RFC 4862

Description:

IPv6 Stateless Address Auto-configuration.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4862>

Obsoletes:

RFC 2462

RFC 4861

Description:

Neighbor Discovery for IP version 6 (IPv6).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4861>

Obsoletes:

RFC 2461

RFC 4822

Description:

RIPv2 Cryptographic Authentication.

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc4822>

RFC 4813

Description:

OSPF Link-Local Signaling.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc4813>

RFC 4812

Description:

OSPF Restart Signaling.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc4812>

RFC 4811

Description:

OSPF Out-of-Band Link State Database (LSDB) Resynchronization.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc4811>

RFC 4784

Description:

Verizon Wireless Dynamic Mobile IP Key Update for cdma2000® Networks.

Category:

Wireless

Webpage:

<http://tools.ietf.org/html/rfc4784>

RFC 4761 (Updated)

Description:

Virtual Private LAN Service (VPLS) Using BGP for Auto-Discovery and Signaling.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4761>

Updated by:

RFC 5462

RFC 4754

Description:

IKE and IKEv2 Authentication Using the Elliptic Curve Digital Signature Algorithm (ECDSA) (0206110).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc4754>

RFC 4724

Description:

Graceful Restart Mechanism for BGP.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc4724>

RFC 4718 (Obsoleted)

Description:

IKEv2 Clarifications and Implementation Guidelines.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4718>

Obsoleted by:

RFC 5996

RFC 4684

Description:

Constrained Route Distribution for Border Gateway Protocol/MultiProtocol Label Switching (BGP/MPLS) Internet Protocol (IP) Virtual Private Networks (VPNs).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4684>

Updates:

RFC 4364

RFC 4681

Description:

TLS User Mapping Extension.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4681>

Updates:

RFC 4346

RFC 4680**Description:**

TLS Handshake Message for Supplemental Data.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4680>

Updates:

RFC 4346

RFC 4635**Description:**

HMAC SHA TSIG Algorithm Identifiers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4635>

RFC 4632**Description:**

Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan (BCP0122).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4632>

RFC 4630 (Obsoleted)

Description:

Update to Directory String Processing in the Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc4630>

Obsoleted by:

RFC 5280

RFC 4604

Description:

Using Internet Group Management Protocol version 3 (IGMPv3) and Multicast Listener Discovery Protocol version 2 (MLDv2) for Source-Specific Multicast.

Category:

Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc4604>

Updates:

RFC 3376

RFC 4604

Description:

Using Internet Group Management Protocol version 3 (IGMPv3) and Multicast Listener Discovery Protocol version 2 (MLDv2) for Source-Specific Multicast.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4604>

RFC 4601 (Updated)

Description:

Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)
Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc4601>

Obsoletes:

RFC 2362

Updated by:

[RFC 5059](#)

RFC 4592

Description:

The Role of Wildcards in the Domain Name System.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4592>

Updates:

RFC 1034, RFC 2672

RFC 4577

Description:

OSPF as the Provider/Customer Edge Protocol for BGP/MPLS IP Virtual Private Networks (VPNs).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)
Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc4577>

Updates:

RFC 4364

RFC 4513

Description:

Lightweight Directory Access Protocol (LDAP): Authentication Methods and Security Mechanisms.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc4513>

RFC 4512

Description:

Lightweight Directory Access Protocol (LDAP): Directory Information Models.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc4512>

RFC 4511

Description:

Lightweight Directory Access Protocol (LDAP): The Protocol.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc4511>

RFC 4492 (Updated)

Description:

Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4492>

Updated by:

RFC 5246, RFC 7027

RFC 4478

Description:

Repeated Authentication in Internet Key Exchange (IKEv2) Protocol.

Category:

Experimental

Webpage:

<http://tools.ietf.org/html/rfc4478>

RFC 4470

Description:

Minimally Covering NSEC Records and DNSSEC On-line Signing.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4470>

Updates:

RFC 4034, RFC 4035

RFC 4456

Description:

BGP Route Reflection: An Alternative to Full Mesh Internal BGP (IBGP).

Category:

Router (BGP)
Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc4456>

Obsoletes:

RFC 2796

RFC 4448 (Updated)

Description:

Encapsulation Methods for Transport of Ethernet over MPLS Networks.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4448>

Updated by:

RFC 5462

RFC 4443

Description:

Internet Control Message Protocol (ICMPv6) for the Internet Protocol version 6 (IPv6) Specification.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4443>

Obsoletes:

RFC 2463

Updates:

RFC 2780

RFC 4380

Description:

Teredo: Tunneling IPv6 over UDP through Network Address Translations (NATs).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4380>

RFC 4379 (Updated)

Description:

Detecting Multi-Protocol Label Switched (MPLS) Data Plane Failures.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)
Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc4379>

Updated by:

RFC 5462, RFC 6424, RFC 6425, RFC 6426, RFC 6829

Updates:

RFC 1122

RFC 4366 (Obsoleted) (Updated)

Description:

Transport Layer Security (TLS) Extensions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4366>

Obsoleted by:

RFC 5246, RFC 6066

Obsoletes:

RFC 3546

Updated by:

RFC 5746

Updates:

RFC 4346

RFC 4364 (Updated)

Description:

BGP/MPLS IP Virtual Private Networks (VPNs).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4364>

Obsoletes:

RFC 2547

Updated by:

[RFC 4577](#), [RFC 4684](#), [RFC 5462](#)

RFC 4361

Description:

Node-specific Client Identifiers for Dynamic Host Configuration Protocol version Four (DHCPv4).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4361>

Updates:

[RFC 2131](#), [RFC 2132](#), [RFC 3315](#)

RFC 4360

Description:

BGP Extended Communities Attribute.

Category:

Router Internal BGP (IBGP)
VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc4360>

Updates:

RFC 3280

RFC 4347 (Obsoleted) (Updated)**Description:**

Datagram Transport Layer Security.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4347>

Obsoleted by:

RFC 6347

Updated by:

RFC 5746

RFC 4346 (Obsoleted) (Updated)**Description:**

The Transport Layer Security (TLS) Protocol version 1.1.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4346>

Obsoleted by:

RFC 5246

Obsoletes:

RFC 2246

Updated by:

[RFC 4366](#), [RFC 4680](#), [RFC 4681](#), [RFC 5746](#), [RFC 6176](#)

RFC 4325 (Obsoleted)**Description:**

Internet X.509 Public Key Infrastructure Authority Information Access Certificate Revocation List

(CRL) Extension.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc4325>

Obsoleted by:

[RFC 5280](#)

Updates:

[RFC 3280](#)

RFC 4306

Description:

Internet Key Exchange (IKEv2) Protocol (support for route-based VPNs only).

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc4306>

RFC 4304

Description:

Extended Sequence Number (ESN) Addendum to IPsec Domain of Interpretation (DOI) for Internet Security Association and Key Management Protocol (ISAKMP).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc4304>

RFC 4303

Description:

IP Encapsulating Security Payload (ESP) (255144).

Category:

Standards Track

Webpage:

<https://tools.ietf.org/html/rfc4303>

Obsoletes:

RFC 2406

RFC 4301

Description:

Security Architecture for the Internet Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)
VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc4301>

Obsoletes:

RFC 2401

RFC 4293

Description:

Management Information Base for the Internet Protocol (IP) (mandatory functionality supported).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc4293>

RFC 4291 (Obsoleted)

Description:

IP version 6 Addressing Architecture.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4291>

Obsoletes:

RFC 3513

Obsoleted by:

RFC 5952

RFC 4273

Description:

Definitions of Managed Objects for BGP-4 (168927).

Category:

Standards Track (MIB)

Webpage:

<https://tools.ietf.org/html/rfc4273>

RFC 4271

Description:

A Border Gateway Protocol 4 (BGP-4).

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc4271>

RFC 4251

Description:

The Secure Shell (SSH) Protocol Architecture.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4251>

RFC 4213

Description:

Basic Transition Mechanisms for IPv6 Hosts and Routers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4213>

Obsoletes:

RFC 2893

RFC 4203

Description:

OSPF Extensions in Support of Generalized Multi- Protocol Label Switching (GMPLS).

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc4203>

Updates:

RFC 3630

RFC 4182 (Updated)

Description:

Removing a Restriction on the use of MPLS Explicit NULL.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4182>

Updated by:

[RFC 5462](#)

Updates:

RFC 3032

RFC 4133

Description:

Entity MIB (version 3).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc4133>

RFC 4113

Description:

Management Information Base for the User Datagram Protocol (UDP).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc4113>

RFC 4106

Description:

The Use of Galois/Counter Mode (GCM) in IPsec Encapsulating Security Payload (ESP).

Category:

Standards Track (IPsec)

Webpage:

<https://tools.ietf.org/html/rfc4106>

RFC 4035 (Updated)

Description:

Protocol Modifications for the DNS Security Extensions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4035>

Obsoletes:

RFC 2535, RFC 3008, RFC 3090, RFC 3445, RFC 3655, RFC 3658, RFC 3755, RFC 3757, RFC 3845

Updates:

RFC 1034, RFC 1035, RFC 2136, RFC 2181, RFC 2308, RFC 3225, RFC 3007, RFC 3597, RFC 3226

Updated by:

[RFC 4470](#), [RFC 6014](#), [RFC 6840](#)

RFC 4034 (Updated)**Description:**

Resource Records for the DNS Security Extensions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4034>

Obsoletes:

[RFC 2535](#), [RFC 3008](#), [RFC 3090](#), [RFC 3445](#), [RFC 3655](#), [RFC 3658](#), [RFC 3755](#), [RFC 3757](#), [RFC 3845](#)

Updates:

[RFC 1034](#), [RFC 1035](#), [RFC 2136](#), [RFC 2181](#), [RFC 2308](#), [RFC 3225](#), [RFC 3007](#), [RFC 3597](#), [RFC 3226](#)

Updated by:

[RFC 4470](#), [RFC 6014](#), [RFC 6840](#), [RFC 6944](#)

RFC 4033 (Updated)**Description:**

DNS Security Introduction and Requirements.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc4033>

Obsoletes:

[RFC 2535](#), [RFC 3008](#), [RFC 3090](#), [RFC 3445](#), [RFC 3655](#), [RFC 3658](#), [RFC 3755](#), [RFC 3757](#), [RFC 3845](#)

Updates:

[RFC 1034](#), [RFC 1035](#), [RFC 2136](#), [RFC 2181](#), [RFC 2308](#), [RFC 3225](#), [RFC 3007](#), [RFC 3597](#), [RFC 3226](#)

Updated by:

[RFC 6014](#), [RFC 6840](#)

RFC 4022

Description:

Management Information Base for the Transmission Control Protocol (TCP) (partial support only).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc4022>

RFC 3985 (Updated)

Description:

Pseudo Wire Emulation Edge-to-Edge (PWE3) Architecture.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3985>

Updated by:

[RFC 5462](#)

RFC 3973

Description:

Protocol Independent Multicast - Dense Mode (PIM-DM): Protocol Specification (Revised).

Category:

Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc3973>

RFC 3971

Description:

SEcure Neighbor Discovery (SEND).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3971>

RFC 3960**Description:**

Early Media and Ringing Tone Generation in the Session Initiation Protocol (SIP).

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc3960>

RFC 3956**Description:**

Embedding the Rendezvous Point (RP) Address in an IPv6 Multicast Address.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3956>

RFC 3948**Description:**

UDP Encapsulation of IPsec ESP Packets.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3948>

RFC 3947**Description:**

Negotiation of NAT-Traversal in the IKE.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3947>

RFC 3927

Description:

Dynamic Configuration of IPv4 Link-Local Addresses.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3927>

RFC 3845 (Obsoleted)

Description:

DNS Security (DNSSEC) NextSECure (NSEC) RDATA Format.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3845>

Updates:

RFC 2535

Obsoleted by:

[RFC 4033](#), [RFC 4034](#), [RFC 4035](#)

RFC 3768 (Obsoleted)

Description:

Virtual Router Redundancy Protocol (VRRP).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3768>

Obsoleted by:

[RFC 5798](#)

RFC 3757 (Obsoleted)

Description:

Domain Name System KEY (DNSKEY) Resource Record (RR) Secure Entry Point (SEP) Flag.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3757>

Updates:

RFC 2535

Obsoleted by:

[RFC 4033](#), [RFC 4034](#), [RFC 4035](#)

RFC 3736

Description:

Stateless Dynamic Host Configuration protocol (DHCP) Service for IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3736>

RFC 3715

Description:

IPsec-Network Address Translation (NAT) Compatibility Requirements.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3715>

RFC 3706

Description:

A Traffic-Based Method of Detecting Dead Internet Key Exchange (IKE) Peers.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3706>

RFC 3655 (Obsoleted)

Description:

Redefinition of DNS Authenticated Data (AD) bit.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3655>

Updates:

RFC 2535

Obsoleted by:

[RFC 4033](#), [RFC 4034](#), [RFC 4035](#)

RFC 3635

Description:

Definitions of Managed Objects for the Ethernet-like Interface Types.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc3635>

RFC 3633

Description:

IPv6 Prefix Options for Dynamic Host Configuration Protocol (DHCP) version 6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3633>

RFC 3630 (Updated)

Description:

Traffic Engineering (TE) Extensions to OSPF version 2.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc3630>

Updated by:

RFC 4203

RFC 3623

Description:

Graceful OSPF Restart From IETF Draft, OSPF Hitless Restart.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc3623>

RFC 3602

Description:

The AES-CBC Cipher Algorithm and Its Use With IPsec.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3602>

RFC 3597 (Updated)

Description:

Handling of Unknown DNS Resource Record (RR) Types.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3597>

Updated by:

RFC 4033, RFC 4034, RFC 4035, RFC 5395, RFC 6195, RFC 6895

RFC 3587

Description:

IPv6 Global Unicast Address Format.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3587>

RFC 3567

Description:

Intermediate System to Intermediate System (IS-IS) Cryptographic Authentication.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc3567>

RFC 3564 (Updated)

Description:

Requirements for Support of Differentiated Services-aware MPLS Traffic Engineering.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3564>

Updated by:

RFC 5462

RFC 3546 (Obsoluted)

Description:

Transport Layer Security (TLS) Extensions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3546>

Obsoluted by:

RFC 4366

Updates:

RFC 2246

RFC 3526

Description:

More Modular Exponential (MODP) Diffie-Hellman groups for Internet Key Exchange (IKE).

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3526>

RFC 3513 (Obsoluted)

Description:

Internet Protocol version 6 Address Architecture.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3513>

Obsoluted by:

RFC 4291

RFC 3509

Description:

Alternative Implementations of OSPF Area Border Routers.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc3509>

RFC 3494

Description:

Lightweight Directory Access Protocol version 2 (LDAPv2) to Historic Status.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc3494>

RFC 3493

Description:

Basic Socket Interface Extensions for IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3493>

RFC 3484

Description:

Default Address Selection for Internet Protocol version 6 (IPv6).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3484>

RFC 3469 (Updated)

Description:

Framework for Multi-Protocol Label Switching (MPLS)-based Recovery.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3469>

Updated by:

RFC 5462

RFC 3456

Description:

Dynamic Host Configuration Protocol (DHCPv4) Configuration of IPsec Tunnel Mode.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3456>

RFC 3445 (Obsoleted)

Description:

Limiting the Scope of the KEY Resource Record (RR).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3443>

Obsoleted by:

RFC 4033, RFC 4034, RFC 4035

Updates:

RFC 2535

RFC 3443 (Updated)

Description:

Time To Live (TTL) Processing in Multi-Protocol Label Switching (MPLS) Networks.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3443>

Updated by:

[RFC 5462](#)

Updates:

RFC 3032

RFC 3435

Description:

Media Gateway Control Protocol (MGCP) version 1.0.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3435>

RFC 3417

Description:

Transport Mappings for the Simple Network Management Protocol (SNMP) (STD0062) (UDP only).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc3417>

RFC 3416

Description:

version 2 of the Protocol Operations for the Simple Network Management Protocol (SNMP)

(STD0062) (no support for modification values via SNMP).

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc3417>

RFC 3414

Description:

User-Based Security Model (USM) for version 3 of the Simple Network Management Protocol (SNMPv3).

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc3414>

NOTE: FortiOS 4.0 MR1 adds the SNMPv3 snmp EngineID value defined in RFC3414. For more details please see the "FortiGate™ version 4.0 MR1 Administration Guide".

RFC 3413

Description:

Simple Network Management Protocol (SNMP) Applications.

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc3413>

RFC 3412

Description:

Message Processing and Dispatching for the Simple Network Management Protocol (SNMP).

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc3412>

RFC 3411

Description:

An Architecture for Describing Simple Network Management Protocol (SNMP) Management Frameworks.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc3411>

RFC 3410

Description:

Introduction and Applicability Statements for Internet Standard Management Framework.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc3410>

RFC 3392

Description:

Capabilities Advertisement with BGP-4.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc3392>

Obsoletes:

RFC 2842

RFC 3376 (Updated)

Description:

Internet Group Management Protocol, version 3.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3376>

Updated by:

RFC 4604

RFC 3359

Description:

Reserved Type, Length and Value (TLV) Codepoints in Intermediate System to Intermediate System.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc3359>

RFC 3325

Description:

Private Extensions to the Session Initiation Protocol (SIP) for Asserted Identity within Trusted Networks.

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc3325>

RFC 3315

Description:

Dynamic Host Configuration Protocol for IPv6 (DHCPv6).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3315>

RFC 3306

Description:

Unicast-Prefix-based IPv6 Multicast Addresses.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3306>

RFC 3280 (Updated)

Description:

Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3280>

Obsoletes:

RFC 2459

Updated by:

[RFC 4325](#), [RFC 4360](#)

RFC 3272 (Updated)

Description:

Overview and Principles of Internet Traffic Engineering.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3272>

Updated by:

[RFC 5462](#)

RFC 3270 (Updated)

Description:

Multi-Protocol Label Switching (MPLS) Support of Differentiated Services.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3270>

Updated by:

RFC 5462

RFC 3262

Description:

Reliability of Provisional Responses in the Session Initiation Protocol (SIP).

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc3262>

RFC 3261

Description:

SIP: Session Initiation Protocol.

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc3261>

Obsoletes:

RFC 2543

RFC 3260

Description:

SIP: Session Initiation Protocol.

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc3260>

Updates:

RFC 2597, RFC 2475, RFC 2474

RFC 3226 (Updated)

Description:

DNSSEC and IPv6 A6 aware server/resolver message size requirements.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3226>

Updates:

RFC 2874, RFC 2535

Updated by:

[RFC 4033](#), [RFC 4034](#), [RFC 4035](#)

RFC 3168

Description:

SIP: Session Initiation Protocol.

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc3168>

Obsoletes:

RFC 2481

Updates:

RFC 2474, RFC 2401, RFC 793

RFC 3232

Description:

Assigned Numbers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3232>

RFC 3101

Description:

The OSPF Not-So-Stubby Area (NSSA) Option.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc3101>

RFC 3090 (Obsoleted) (Updated)

Description:

DNS Security Extension Clarification on Zone Status.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3090>

Updated by:

[RFC 3658](#)

Obsoleted by:

[RFC 4033](#), [RFC 4034](#), [RFC 4035](#)

RFC 3065

Description:

Autonomous System Confederations for BGP.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc3065>

RFC 3056

Description:

Connection of IPv6 Domains via IPv4 Clouds.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3056>

RFC 3053

Description:

IPv6 Tunnel Broker.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3053>

RFC 3032 (Updated)

Description:

MPLS Label Stack Encoding.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3032>

Updated by:

RFC 3443, RFC 4182, RFC 5332, RFC 3270, RFC 5129, RFC 5462, RFC 5586

RFC 3022

Description:

Traditional IP Network Address Translator (Traditional NAT).

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc3022>

Obsoletes:

RFC 1631

RFC 3008 (Obsoleted) (Updated)

Description:

Domain Name System Security (DNSSEC) Signing Authority.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3008>

Obsoleted by:

RFC 4033, RFC 4034, RFC 4035

Updates:

RFC 2535

Updated by:

RFC 3658

RFC 3007 (Updated)

Description:

Secure Domain Name System (DNS) Dynamic Update.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc3007>

Obsoletes:

RFC 2137

Updates:

RFC 2535, RFC 2136

Updated by:

[RFC 4033](#), [RFC 4034](#), [RFC 4035](#)

RFC 2988 (Obsoleted)

Description:

Computing TCP's Retransmission Timer.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2988>

Obsoleted by:

[RFC 6298](#)

RFC 2986

Description:

PKCS #10: Certification Request Syntax Specification version 1.7.

Category:

Cryptography (VPN)

Webpage:

<http://tools.ietf.org/html/rfc2986>

RFC 2979

Description:

Behaviour of and Requirements for Internet Firewalls.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2979>

RFC 2918

Description:

Route Refresh Capability for BGP-4.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc2918>

RFC 2908

Description:

The Internet Multicast Address Allocation Architecture.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2908>

RFC 2894

Description:

Router Renumbering for IPv6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2894>

RFC 2893

Description:

Transition Mechanism for IPv6 Hosts and Routers.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc2893>

Obsoletes:

RFC 1933

RFC 2890

Description:

Key and Sequence Number Extensions to GRE.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2890>

RFC 2866

Description:

RADIUS Accounting.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc2866>

RFC 2863

Description:

The Interfaces Group MIB.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2863>

RFC 2858

Description:

Multiprotocol Extensions for BGP-4.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc2858>

RFC 2845 (Updated)**Description:**

Secret Key Transaction Authentication for DNS (TSIG).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2845>

Updated by:

RFC 3645, RFC 4635, RFC 6895

Updates:

RFC 1035

RFC 2842 (Obsoleted)**Description:**

Capabilities Advertisement with BGP-4.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc2842>

Obsoleted by:

RFC 3392

RFC 2827 (Updated)**Description:**

Network Ingress Filtering: Defeating Denial of Service Attacks which employ IP Source Address Spoofing (BCP0038).

Category:

Filters (Web, Email, NIDS)

Webpage:

<http://tools.ietf.org/html/rfc2827>

Updated by:

RFC 3704

RFC 2822

Description:

Internet Message Format.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2822>

RFC 2796 (Obsoleted)

Description:

BGP Route Reflection - An Alternative to Full Mesh IBGP.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc2796>

Obsoleted by:

RFC 4456

RFC 2784

Description:

Generic Routing Encapsulation (GRE).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2784>

RFC 2780

Description:

IANA Allocation Guidelines for the Protocol Field.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2780>

RFC 2740 (Obsoluted)**Description:**

OSPF for IPv6.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc2740>

Obsoluted by:

RFC 5340

RFC 2675**Description:**

IPv6 Jumbograms.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2675>

Obsoletes:

RFC 2147

RFC 2665 (Obsoluted)**Description:**

Definitions of Managed Objects for the Ethernet-like Interface Types.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2665>

Obsoleted by:

RFC 3635

Obsoletes:

RFC 2358

RFC 2661

Description:

Layer Two Tunneling Protocol "L2TP".

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2661>

RFC 2647

Description:

Benchmarking Terminology for Firewall Performance.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2647>

RFC 2644

Description:

Changing the Default for Directed Broadcasts in Routers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2644>

Updates:

RFC 1812

RFC 2637

Description:

Point-to-Point Tunneling Protocol.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2637>

RFC 2631

Description:

Diffie-Hellman Key Agreement Method.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2631>

RFC 2617

Description:

HTTP Authentication: Basic and Digest Access Authentication.

Category:

Access (HTTP, TELNET, TFTP, FTP)

Webpage:

<http://tools.ietf.org/html/rfc2617>

Obsoletes:

RFC 2069

RFC 2616 (Updated)

Description:

Hypertext Transfer Protocol -- HTTP/1.1.

Category:

Access (HTTP, TELNET, TFTP, FTP)

Webpage:

<http://tools.ietf.org/html/rfc2616>

Updated by:

RFC 2817

RFC 2597 (Updated)

Description:

Assured Forwarding PHB Group.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2597>

Updated by:

RFC 3260

RFC 2578

Description:

Structure of Management Information version 2 (SMIv2) (STD0058).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2578>

RFC 2548

Description:

Microsoft Vendor-specific RADIUS Attributes.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc2548>

RFC 2545

Description:

Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing.

Category:

Router Internal BGP (IBGP)

Webpage:

<http://tools.ietf.org/html/rfc2545>

RFC 2547 (Obsoluted)

Description:

BGP/MPLS VPNs.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2547>

Obsoluted by:

RFC 4364

RFC 2543 (Obsoluted)

Description:

SIP: Session Initiation Protocol.

Category:

Sessions Initiate Protocol (SIP)

Webpage:

<http://tools.ietf.org/html/rfc2543>

Obsoluted by:

RFC 3261

RFC 2535 (Obsoluted) (Updated)

Description:

Domain Name System Security Extensions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2535>

Obsoleted by:

RFC 4033, RFC 4034, RFC 4035

Obsoletes:

RFC 2065

Updated by:

RFC 2931, RFC 3007, RFC 3008, RFC 3090, RFC 3226, RFC 3445, RFC 3597, RFC 3655, RFC 3658, RFC 3755, RFC 3757, RFC 3845

Updates:

RFC 1034, RFC 1035, RFC 2181

RFC 2516

Description:

A Method for Transmitting PPP Over Ethernet (PPPoE) (213945).

Category:

Interface (PPPoE, Ethernet)

Webpage:

<http://tools.ietf.org/html/rfc2516>

RFC 2481 (Obsoleted)

Description:

A Proposal to add Explicit Congestion Notification (ECN) to IP.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2481>

Obsoleted by:

RFC 3168

RFC 2475

Description:

An Architecture for Differentiated Services.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2475>

RFC 2474 (Updated)

Description:

Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2474>

Updated by:

[RFC 3168](#), [RFC 3260](#)

RFC 2461 (Updated)

Description:

Neighbor Discovery for IP version 6 (IPv6).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2461>

Obsoletes:

[RFC 1455](#), [RFC 1349](#)

Updated by:

[RFC 4311](#), [RFC 2474](#), [RFC 2462](#)

RFC 2460

Description:

Internet Protocol, version 6 (IPv6) Specification.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2460>

RFC 2459 (Obsoleted)

Description:

Internet X.509 Public Key Infrastructure Certificate and CRL Profile.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2459>

Obsoleted by:

[RFC 3280](#)

RFC 2453 (Updated)

Description:

RIP version 2 (STD0056).

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc2453>

Updated by:

[RFC 4822](#)

RFC 2451

Description:

The ESP CBC-Mode Cipher Algorithm.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2451>

RFC 2439

Description:

BGP Route Flap Damping.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc2439>

RFC 2412

Description:

The OAKLEY Key Determination Protocol.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2412>

RFC 2411

Description:

IP Security Document Roadmap.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2411>

RFC 2410

Description:

The NULL Encryption Algorithm and its Use with IPsec.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2410>

RFC 2409

Description:

The Internet Key Exchange (IKE).

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2409>

RFC 2408

Description:

Internet Security Association and Key Management Protocol.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2408>

RFC 2407

Description:

The Internet IP Security Domain of Interpretation for ISAKMP.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2407>

RFC 2406 (Obsoleted)

Description:

IP Encapsulating Security Payload (ESP).

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2406>

Obsoleted by:

RFC 4303

RFC 2405

Description:

The ESP DES-CBC Cipher Algorithm With Explicit IV.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2405>

Obsoletes:

RFC 1829

RFC 2404

Description:

The Use of HMAC-SHA-1-96 within ESP and AH.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2404>

RFC 2403

Description:

The Use of HMAC-MD5-96 within ESP and AH.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2403>

RFC 2402

Description:

IP Authentication Header.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2402>

Obsoletes:

RFC 1826

RFC 2401 (Obsoleted)

Description:

Security Architecture for the Internet Protocol.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2401>

Obsoleted by:

RFC 4301

RFC 2385

Description:

Protection of BGP Sessions via the TCP MD5 Signature Option.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc2385>

RFC 2373 (Obsoleted)

Description:

IP version 6 Addressing Architecture.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2373>

Obsoleted by:

RFC 3513

RFC 2370 (Updated)

Description:

The OSPF Opaque LSA Option.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc2370>

Updated by:

RFC 3630

RFC 2365

Description:

Administratively Scoped IP Multicast.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2365>

RFC 2364

Description:

PPP Over AAL5.

Category:

Interface (PPPoE, Ethernet)

Webpage:

<http://tools.ietf.org/html/rfc2364>

RFC 2362 (Obsoluted)

Description:

Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification.

Category:

Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc2362>

Obsoluted by:

RFC 4601

Obsoletes:

RFC 2117

RFC 2358 (Obsoluted)

Description:

Definitions of Managed Objects for the Ethernet-like Interface Types.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2358>

Obsoluted by:

RFC 2665

RFC 2338 (Obsoluted)

Description:

Virtual Router Redundancy Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2338>

Obsoluted by:

RFC 3768, RFC 5798

RFC 2328 (Updated)

Description:

OSPF version 2 (STD0054).

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc2328>

Updated by:

RFC 5709, RFC 6549, RFC 6845, RFC 6860

Obsoletes:

RFC 2178

RFC 2315

Description:

PKCS #7: Cryptographic Message Syntax version 1.5.

Category:

Cryptography (VPN)

Webpage:

<http://tools.ietf.org/html/rfc2315>

RFC 2308 (Updated)

Description:

Negative Caching of DNS Queries (DNS NCACHE).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2308>

Updated by:

RFC 4033, RFC 4034, RFC 4035, RFC 6604

Updates:

RFC 1034, RFC 1035

RFC 2267 (Obsolated)

Description:

Network Ingress Filtering: Defeating Denial of Service Attacks which employ IP Source Address Spoofing.

Category:

Filters (Web, Email, NIDS)

Webpage:

<http://tools.ietf.org/html/rfc2267>

Obsolated by:

[RFC 2827](#)

RFC 2251 (Obsolated) (Updated)

Description:

Lightweight Directory Access Protocol (v3).

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc2251>

Obsolated by:

[RFC 4511](#), [RFC 2865](#)

Updated by:

[RFC 2868](#), [RFC 3575](#)

RFC 2246 (Obsolated) (Updated)

Description:

The TLS Protocol version 1.0.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2246>

Obsoleted by:

[RFC 4346](#)

Updated by:

[RFC 3546](#), [RFC 5746](#), [RFC 6176](#)

RFC 2236 (Obsoleted)**Description:**

Internet Group Management Protocol, version 2.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2236>

Obsoleted by:

[RFC 3376](#)

RFC 2233 (Obsoleted)**Description:**

The Interfaces Group MIB using SMIPv2.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2233>

Obsoleted by:

[RFC 2863](#)

RFC 2231**Description:**

TMIME Parameter Value and Encoded Word Extensions: Character Sets, Languages, and Continuations (280039).

Category:

Standards Track

Webpage:

<http://tools.ietf.org/html/rfc2231>

RFC 2225

Description:

Classical IP and ARP over ATM.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2225>

RFC 2185

Description:

Routing Aspects of IPv6 Transition.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc2185>

RFC 2181 (Updated)

Description:

Clarifications to the DNS Specification.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2181>

Updated by:

RFC 2535, RFC 4033, RFC 4034, RFC 4035, RFC 4343

RFC 2178 (Obsoleted)

Description:

OSPF version 2.

Category:

OSPFv2

Webpage:

<http://tools.ietf.org/html/rfc2178>

Obsoletes:

RFC 1583

Obsoleted by:

RFC 2328

RFC 2137 (Obsoleted)**Description:**

Secure Domain Name System Dynamic Update.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2137>

Obsoleted by:

RFC 3007

Updates:

RFC 1035

RFC 2136 (Updated)**Description:**

Dynamic Updates in the Domain Name System (DNS UPDATE).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2136>

Updated by:

RFC 3007, RFC 4033, RFC 4034, RFC 4035

Updates:

RFC 1035

RFC 2131 (Updated)

Description:

Dynamic Host Configuration Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2131>

Updated by:

RFC 3396, RFC 4361

RFC 2117 (Obsoluted)

Description:

Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification.

Category:

Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc2117>

Obsoluted by:

RFC 2362

RFC 2104

Description:

HMAC: Keyed-Hashing for Message Authentication.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc2104>

RFC 2085

Description:

HMAC-MD5 IP Authentication with Replay Prevention.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc2085>

RFC 2082 (Obsoleted)**Description:**

RIP-2 MD5 Authentication.

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc2082>

Obsoleted by:

RFC 4822

RFC 2072**Description:**

Router Renumbering Guide.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2072>

RFC 2071**Description:**

Network Renumbering Overview: Why would I want it and what is it anyway?

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2071>

RFC 2068 (Obsoluted)

Description:

Hypertext Transfer Protocol -- HTTP/1.1.

Category:

Access (HTTP, TELNET, TFTP, FTP)

Webpage:

<http://tools.ietf.org/html/rfc2068>

Obsoluted by:

RFC 2616

RFC 2065 (Obsoluted)

Description:

Domain Name System Security Extensions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2065>

Obsoluted by:

RFC 2535

Updates:

RFC 1034, RFC 1035

RFC 2033 (Updated)

Description:

IP Encapsulation within IP.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc2033>

Updated by:

RFC 3168, RFC 6864

RFC 2027

Description:

IAB and IESG Selection, Confirmation, and Recall Process: Operation of the Nominating and Recall Committees.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc2027>

RFC 2013 (Obsoluted)

Description:

SNMPv2 Management Information Base for the User Datagram Protocol using SMIPv2.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2233>

Obsoluted by:

RFC 4113

RFC 2012 (Obsoluted)

Description:

SNMPv2 Management Information Base for the Transmission Control Protocol using SMIPv2.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2012>

Obsoluted by:

RFC 4022

RFC 2011 (Obsoleted)

Description:

SNMPv2 Management Information Base for the Internet Protocol using SMIv2.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2011>

Obsoleted by:

RFC 4293

RFC 1997

Description:

BGP Communities Attribute.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc1997>

RFC 1996

Description:

A Mechanism for Prompt Notification of Zone Changes (DNS NOTIFY).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1996>

Updates:

RFC 1035

RFC 1995

Description:

Incremental Zone Transfer in DNS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1995>

Updates:

RFC 1035

RFC 1982

Description:

Serial Number Arithmetic.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1982>

Updates:

RFC 1034, RFC 1035

RFC 1981

Description:

Path MTU Discovery for IP version 6.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1981>

RFC 1945

Description:

Hypertext Transfer Protocol -- HTTP/1.0.

Category:

Access (HTTP, TELNET, TFTP, FTP)

Webpage:

<http://tools.ietf.org/html/rfc1945>

RFC 1933 (Obsoluted)

Description:

Transition Mechanisms for IPv6 Hosts and Routers.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc1933>

Obsoluted by:

RFC 2893

RFC 1930

Description:

Guidelines for creation, selection, and registration of an Autonomous System (AS).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1930>

RFC 1918

Description:

Address Allocation for Private Internets (BCP0005).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1918>

RFC 1883

Description:

Internet Protocol, version 6 (IPv6).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1883>

RFC 1876**Description:**

A Means for Expressing Location Information in the Domain Name System.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1876>

Updates:

RFC 1034, RFC 1035

RFC 1867 (Obsoleted)**Description:**

Form-based File Upload in HTML.

Category:

Access (HTTP, TELNET, TFTP, FTP)

Webpage:

<http://tools.ietf.org/html/rfc1867>

Obsoleted by:

[RFC 2854](#)

RFC 1866 (Obsoleted)**Description:**

Hypertext Markup Language, - 2.0.

Category:

Access (HTTP, TELNET, TFTP, FTP)

Webpage:

<http://tools.ietf.org/html/rfc1886>

Obsoleted by:

[RFC 2854](#)

RFC 1829 (Obsoluted)

Description:

The ESP DES-CBC Transform.

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc1829>

Obsoluted by:

RFC 2405

RFC 1812 (Updated)

Description:

Requirements for IP version 4 Routers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1812>

Updated by:

RFC 2644, RFC 6633

RFC 1777 (Obsoluted)

Description:

Lightweight Directory Access Protocol.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/rfc1777>

Obsoluted by:

RFC 3494

RFC 1772

Description:

Application of the Border Gateway Protocol in the Internet.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc1772>

Obsoletes:

RFC 1655

RFC 1771 (Obsoleted)

Description:

Border Gateway Protocol 4 (BGP-4).

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc1771>

Obsoleted by:

[RFC 4271](#)

RFC 1765

Description:

OSPF Database Overflow.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc1765>

RFC 1752

Description:

The Recommendation for the IP Next Generation Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1752>

RFC 1724

Description:

RIP version 2 MIB Extension.

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc1724>

RFC 1723 (Obsoleted)

Description:

RIP version 2 - Carrying Additional Information (STD0056).

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc1723>

Obsoleted by:

[RFC 2453](#)

RFC 1706

Description:

DNS NSAP Resource Records.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1706>

Obsoletes:

[RFC 1637](#), [RFC 1348](#)

RFC 1700 (Obsoluted)

Description:

Assigned Numbers (STD0002).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1700>

Obsoluted by:

[RFC 3232](#)

RFC 1661 (Updated)

Description:

The Point-to-Point Protocol (PPP) (STD0051).

Category:

Interface (PPPoE, Ethernet)

Webpage:

<http://tools.ietf.org/html/rfc1661>

Updated by:

[RFC 2153](#)

RFC 1655 (Obsoluted)

Description:

Application of the Border Gateway Protocol in the Internet.

Category:

Router (BGP)

Webpage:

<http://tools.ietf.org/html/rfc1655>

Obsoluted by:

[RFC 1772](#)

RFC 1637 (Obsoluted)

Description:

DNS NSAP Resource Records.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1637>

Obsoluted by:

[RFC 1706](#)

Obsoletes:

[RFC 1348](#)

RFC 1631 (Obsoluted)

Description:

The IP Network Address Translator (NAT).

Category:

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc1631>

Obsoluted by:

[RFC 3022](#)

RFC 1577 (Obsoluted)

Description:

Classical IP and ARP over ATM.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1577>

Obsoluted by:

[RFC 2225](#)

RFC 1573

Description:

Evolution of the Interfaces Group of MIB-II.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1573>

Obsoletes:

RFC 1229

RFC 1583 (Obsoleted)

Description:

Classless Inter-Domain Routing (CIDR): an Address Assignment and Aggregation Strategy.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1583>

Obsoletes:

RFC 1247

Obsoleted by:

[RFC 2178](#)

RFC 1519 (Obsoleted)

Description:

Classless Inter-Domain Routing (CIDR): an Address Assignment and Aggregation Strategy.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1519>

Obsoleted by:

[RFC 4632](#)

RFC 1455 (Obsoluted)

Description:

Physical Link Security Type of Service.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1455>

Obsoluted by:

RFC 2474

RFC 1422

Description:

Privacy Enhancement for Internet Electronic Mail: Part II: Certificate-based Key Management.

Category:

Filters (Web, Email, NIDS)

Webpage:

<http://tools.ietf.org/html/rfc1422>

Obsoletes:

RFC 1114

RFC 1413

Description:

Identification Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1413>

Obsoletes:

RFC 931

RFC 1388 (Obsoleted)

Description:

RIP version 2 - Carrying Additional Information.

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc1388>

Obsoleted by:

RFC 1723

RFC 1370

Description:

Applicability Statement for OSPF.

Category:

Router (OSPF)

Webpage:

<http://tools.ietf.org/html/rfc1370>

RFC 1349 (Obsoleted)

Description:

Type of Service in the Internet Protocol Suite.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1349>

Obsoleted by:

RFC 2474

Updates:

RFC 1248, RFC 1247, RFC 1195, RFC 1123, RFC 1122, RFC 1060, RFC 791

RFC 1348 (Obsoluted)

Description:

DNS NSAP RRs.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1348>

Obsoluted by:

[RFC 1637](#)

Updates:

[RFC 1034](#), [RFC 1035](#)

RFC 1340 (Obsoluted)

Description:

Assigned Numbers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1340>

Obsoluted by:

[RFC 1700](#)

RFC 1323

Description:

TCP Extensions for High Performance.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1323>

RFC 1321

Description:

The MD5 Message-Digest Algorithm.

Category:

Router (OSPF)

VPN (IPsec, PPTP, L2TP)

Webpage:

<http://tools.ietf.org/html/rfc1321>

RFC 1305

Description:

Network Time Protocol (version 3) Specification, Implementation, and Analysis (STD0012).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1305>

RFC 1253 (Obsoleted)

Description:

OSPF version 2 Management Information Base.

Category:

OSPFv2

Webpage:

<http://tools.ietf.org/html/rfc1253>

Obsoletes:

RFC 1252

Obsoleted by:

[RFC 1850](#)

RFC 1252 (Obsoluted)

Description:

OSPF version 2 Management Information Base.

Category:

OSPFv2

Webpage:

<http://tools.ietf.org/html/rfc1252>

Obsoletes:

RFC 1248

Obsoleted by:

[RFC 1253](#)

RFC 1248 (Obsoluted) (Updated)

Description:

OSPF version 2 Management Information Base.

Category:

OSPFv2

Webpage:

<http://tools.ietf.org/html/rfc1248>

Updated by:

[RFC 1349](#)

Obsoleted by:

[RFC 1252](#)

RFC 1247 (Obsoluted) (Updated)

Description:

OSPF version 2.

Category:

OSPFv2

Webpage:

<http://tools.ietf.org/html/rfc1247>

Obsoletes:

RFC 1131

Updated by:[RFC 1349](#)**Obsoleted by:**[RFC 1583](#)

RFC 1238

Description:

CLNS MIB for use with Connectionless Network Protocol (ISO 8473) and End System to Intermediate System (ISO 9542).

Category:

Router (IS-IS)

Webpage:<http://tools.ietf.org/html/rfc1238>**Obsoletes:**

RFC 1162

RFC 1215

Description:

Convention for defining traps for use with the SNMP (applies to MIB files only).

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc1215>

RFC 1213 (Updated)

Description:

Management Information Base for Network Management of TCP/IP-based internets:MIB-II (STD0017).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1213>

Updated by:

RFC 2011, RFC 2012, RFC 2013

RFC 1212

Description:

Concise MIB definitions (STD0016) (applies to MIB files only).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1212>

RFC 1195 (Updated)

Description:

Use of OSI IS-IS for Routing in TCP/IP and Dual Environments Routing (Transition from IPv4 to IPv6).

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc1195>

Updated by:

RFC 1349

RFC 1191

Description:

Path MTU discovery.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1191>

RFC 1183 (Updated)

Description:

New DNS RR Definitions.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1183>

Updated by:

[RFC 5395](#), [RFC 5864](#), [RFC 6195](#), [RFC 6895](#)

Updates:

[RFC 1034](#), [RFC 1035](#)

RFC 1162 (Obsoleted)

Description:

Connectionless Network Protocol and End System to Intermediate System.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc1162>

Obsoleted by:

[RFC 1238](#)

RFC 1157

Description:

Simple Network Management Protocol (SNMP) (STD0015) (HISTORIC).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1157>

RFC 1156

Description:

Management Information Base for network management of TCP/IP-based internets (HISTORIC).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1156>

RFC 1155

Description:

Structure and Identification of Management Information for TCP/IPbased Internets (STD0016).

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1155>

RFC 1149

Description:

A Standard for the Transmission of IP Datagrams on Avian Carriers

Category:

Informational

Webpage:

<http://tools.ietf.org/html/rfc1149>

RFC 1142

Description:

OSI IS-IS Intra-domain Routing Protocol.

Category:

Router (IS-IS)

Webpage:

<http://tools.ietf.org/html/rfc1142>

RFC 1123 (Updated)

Description:

Requirements for Internet Hosts - Application and Support (STD0003).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1123>

Updated by:

RFC 1349, RFC 2181

RFC 1122 (Updated)

Description:

Requirements for Internet Hosts -- Communication Layers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1122>

Updated by:

RFC 1349, RFC 4379, RFC 5884, RFC 6093, RFC 6298, RFC 6633, RFC 6864

RFC 1119 (Obsoleted)

Description:

Network Time Protocol (version 2) Specification and Implementation (STD0012).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1119>

Obsoleted by:

RFC 1305

RFC 1112 (Updated)

Description:

Host Extensions for IP Multicasting (STD0005).

Category:

Router (PIM)

Webpage:

<http://tools.ietf.org/html/rfc1112>

Updated by:

RFC 2236

RFC 1101

Description:

DNS Encoding of Network Names and Other Types.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1101>

Updates:

RFC 1034, RFC 1035

RFC 1060 (Obsoleted)

Description:

Assigned Numbers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1060>

Obsoleted by:

RFC 1340

Obsoletes IENs:

127, 117, 93

Updates:

RFC 1010, RFC 990, RFC 960, RFC 943, RFC 923, RFC 900, RFC 870, RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

RFC 1058 (Updated)**Description:**

Routing Information Protocol.

Category:

Router (RIP)

Webpage:

<http://tools.ietf.org/html/rfc1058>

Updated by:

[RFC 1388](#), [RFC 1723](#)

RFC 1035 (Updated)**Description:**

DOMAIN NAMES - IMPLEMENTATION AND SPECIFICATION.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1035>

Obsoletes:

[RFC 882](#), [RFC 883](#), [RFC 973](#)

Updated by:

[RFC 1101](#), [RFC 1183](#), [RFC 1348](#), [RFC 1876](#), [RFC 1982](#), [RFC 1995](#), [RFC 1996](#), [RFC 2065](#), [RFC 2136](#), [RFC 2181](#), [RFC 2137](#), [RFC 2308](#), [RFC 2535](#), [RFC 2845](#), [RFC 3425](#), [RFC 3658](#), [RFC 4033](#), [RFC 4034](#), [RFC 4035](#), [RFC 4343](#), [RFC 5936](#), [RFC 5966](#), [RFC 6604](#)

RFC 1034 (Updated)**Description:**

DOMAIN NAMES - CONCEPTS AND FACILITIES.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1034>

Obsoletes:

RFC 882, RFC 883, RFC 973

Updated by:

RFC 1101, RFC 1183, RFC 1348, RFC 1876, RFC 1996, RFC 2065, RFC 2181, RFC 2308, RFC 2535, RFC 4033, RFC 4034, RFC 4035, RFC 4343, RFC 4592, RFC 5936

RFC 1011 (Updated)

Description:

OFFICIAL INTERNET PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1011>

Obsoletes:

RFC 991, RFC 961, RFC 943, RFC 924, RFC 901, RFC 880, RFC 840

Updated by:

[RFC 6093](#)

RFC 1010 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc1010>

Obsoletes:

RFC 990, RFC 960, RFC 943, RFC 923, RFC 900, RFC 870, RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 1060](#)

RFC 991 (Obsoluted)

Description:

OFFICIAL ARPA-INTERNET PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc991>

Obsoletes:

RFC 961, RFC 943, RFC 924, RFC 901, RFC 880, RFC 840

Obsoleted by:

[RFC 1011](#)

RFC 990 (Obsoluted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc990>

Obsoletes:

RFC 960, RFC 943, RFC 923, RFC 900, RFC 870, RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 1010](#)

RFC 973 (Obsoluted)

Description:

Domain System Changes and Observations.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc973>

Obsoleted by:

[RFC 1034](#), [RFC 1035](#)

RFC 961 (Obsoleted)

Description:

OFFICIAL ARPA-INTERNET PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc961>

Obsoletes:

[RFC 943](#), [RFC 924](#), [RFC 901](#), [RFC 880](#), [RFC 840](#)

Obsoleted by:

[RFC 991](#)

RFC 960 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc960>

Obsoletes:

[RFC 943](#), [RFC 923](#), [RFC 900](#), [RFC 870](#), [RFC 820](#), [RFC 790](#), [RFC 776](#), [RFC 770](#), [RFC 762](#), [RFC 758](#), [RFC 755](#), [RFC 750](#), [RFC 739](#), [RFC 604](#), [RFC 503](#), [RFC 433](#), [RFC 349](#)

Obsoleted by:

[RFC 990](#)

RFC 950 (Updated)

Description:

Internet Standard Subnetting Procedure.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc950>

Updated by:

RFC 6918

RFC 944 (Obsoleted)**Description:**

OFFICIAL ARPA-INTERNET PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc944>

Obsoletes:

RFC 924, RFC 901, RFC 880, RFC 840

Obsoleted by:

RFC 961

RFC 943 (Obsoleted)**Description:**

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc943>

Obsoletes:

RFC 923, RFC 900, RFC 870, RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

RFC 960

RFC 924 (Obsoleted)

Description:

OFFICIAL ARPA-INTERNET PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc924>

Obsoletes:

RFC 901, RFC 880, RFC 840

Obsoleted by:

[RFC 944](#)

RFC 923 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc923>

Obsoletes:

RFC 900, RFC 870, RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 943](#)

RFC 901 (Obsoleted)

Description:

OFFICIAL ARPA-INTERNET PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc901>

Obsoletes:

RFC 880, RFC 840

Obsoleted by:

RFC 924

RFC 900 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc900>

Obsoletes:

RFC 870, RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

RFC 923

RFC 896

Description:

Congestion Control in IP/TCP Internetworks.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc896>

RFC 894

Description:

Standard for the transmission of IP datagrams over Ethernet networks (STD0041).

Category:

Interface (PPPoE, Ethernet)

Webpage:

<http://tools.ietf.org/html/rfc894>

RFC 883 (Obsoleted) (Updated)

Description:

DOMAIN NAMES - IMPLEMENTATION and SPECIFICATION.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc883>

Updated by:

RFC 973

Obsoleted by:

RFC 1034, RFC 1035

RFC 882 (Obsoleted) (Updated)

Description:

DOMAIN NAMES - CONCEPTS and FACILITIES.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc882>

Updated by:

RFC 973

Obsoleted by:

RFC 1034, RFC 1035

RFC 880 (Obsoleted)

Description:

OFFICIAL PROTOCOLS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc880>

Obsoletes:

RFC 840

Obsoleted by:

RFC 901

RFC 870 (Obsoleted)**Description:**

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc870>

Obsoletes:

RFC 820, RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

RFC 900

RFC 862**Description:**

Echo Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc862>

RFC 840 (Obsoleted)**Description:**

Official Protocols.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc840>

Obsoleted by:

RFC 880

RFC 822 (Obsoleted)

Description:

Standard for the format of ARPA Internet text messages (STD0011).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc822>

Obsoleted by:

RFC 2822

RFC 820 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc820>

Obsoletes:

RFC 790, RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

RFC 870

RFC 793 (Updated)

Description:

Transmission Control Protocol (STD0007).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc793>

Updated by:

RFC 3168, RFC 6093

Updates:

RFC 882, RFC 883

RFC 792 (Updated)**Description:**

Internet Control Message Protocol (STD0005).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc792>

Updated by:

RFC 950, RFC 6633, RFC 6918

RFC 791 (Updated)**Description:**

Internet Protocol (STD0005).

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc791>

Updated by:

RFC 1349, RFC 2474, RFC 6864

RFC 790 (Obsoleted)**Description:**

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc790>

Obsoletes:

RFC 776, RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 820](#)

RFC 776 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc776>

Obsoletes:

RFC 770, RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 790](#)

RFC 770 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc770>

Obsoletes:

RFC 762, RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 776](#)

RFC 768

Description:

User Datagram Protocol.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc768>

RFC 762 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc762>

Obsoletes:

RFC 758, RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 770](#)

RFC 758 (Obsoleted)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc758>

Obsoletes:

RFC 755, RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsoleted by:

[RFC 762](#)

RFC 755 (Obsolated)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc755>

Obsoletes:

RFC 750, RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsolated by:

[RFC 758](#)

RFC 750 (Obsolated)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc750>

Obsoletes:

RFC 739, RFC 604, RFC 503, RFC 433, RFC 349

Obsolated by:

[RFC 755](#)

RFC 739 (Obsolated)

Description:

ASSIGNED NUMBERS.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc739>

Obsoletes:

RFC 604

Obsoleted by:

RFC 750

RFC 604 (Obsoleted)**Description:**

Assigned Link Numbers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc604>

Obsoleted by:

RFC 739

RFC 503 (Obsoleted)**Description:**

Socket Number List.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc503>

Obsoleted by:

RFC 739

RFC 433 (Obsoleted)**Description:**

Socket Number List.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc433>

Obsoleted by:

RFC 503

RFC 349 (Obsoleted)

Description:

Proposed Standard Socket Numbers.

Category:

System (IP, TCP, UDP, ICMP, NTP, DNS, DHCP)

Webpage:

<http://tools.ietf.org/html/rfc349>

Obsoleted by:

RFC 433

PKCS #12

Description:

Personal Information Exchange Syntax Standard.

Category:

Cryptography (VPN)

Webpage:

<http://tools.ietf.org/html/draft-moriarty-pkcs12v1-1-01>

draft-grant-tacacs-02.txt

Description:

The TACACS+ Protocol version 1.78.

Category:

User (RADIUS, LDAP)

Webpage:

<http://tools.ietf.org/html/draft-grant-tacacs-02>

Notes

RFC 2543

Description:

SIP: Session Initiation Protocol.

Details:

The RFC 2543 branch CLI keyword of the config application list command has been added in FortiOS 4.0MR1 to support RFC 2543 due to SIP calls involving branch commands that are missing or that are valid for RFC 2543 but invalid for RFC 3261.

Webpage:

<http://tools.ietf.org/html/rfc2543>

RFC 2138

Description:

Remote Authentication Dial In User Service (RADIUS) and RFC RADIUS Accounting.

Details:

Description of the config user profile-attribute command. RADIUS attribute used to hold the firewall protection profile name.

Webpage:

<http://tools.ietf.org/html/rfc2138>

RFC 2132

Description:

DHCP Options and BOOTP Vendor Extensions.

Details:

The option1, option2, and option3 keywords are available in the system dhcp server CLI command.

FortiOS 4.0 MR1 implements the RAW profile of RFC 3195 (Reliable Delivery for syslog). You can configure this feature only in the CLI.

Proxy ARP is defined in RFC 1027

Webpage:

<http://tools.ietf.org/html/rfc2132>

RFC 2080

Description:

RIPng for IPv6.

Details:

The command "router ripng" has been added in FortiOS 4.0MR1 to configure FortiGate support for RIPng. RIPng is the next generation (ng) version of RIP that supports IPv6.

Webpage:

<http://tools.ietf.org/html/rfc2080>

RFC 1966

Description:

Internal BGP (IBGP) route reflectors.

Details:

The FortiGate unit can operate as a route reflector or participate as a client in a cluster of IBGP peers.

Webpage:

<http://tools.ietf.org/html/rfc1966>

RFC 1583

Description:

TOS Application Routing.

Details:

TOS Application Routing is supported by OSPF routing. RFC 1583 compatibility can be enabled or disabled from CLI.

Webpage:

<http://tools.ietf.org/html/rfc1583>

FortiSwitch

RFC 3289

Description:

DIFFSERV-DSCP-TC.
DIFFSERV-MIB.
QOS-DIFFSERV-EXTENSIONS-MIB.
QOS-DIFFSERV-PRIVATE-MIB.

Category:

MIB

Webpage:

<http://tools.ietf.org/html/rfc3289>

RFC 2934

Description:

PIM-MIB.
DVMRP-STD-MIB.
IANA-RTPROTO-MIB.
MULTICAST-MIB.

Category:

MIB

Webpage:

<http://tools.ietf.org/html/rfc2934>

RFC 2932

Description:

IPMROUTE-MIB.
Fortinet Enterprise MIB.
ROUTING-MIB.
MGMD-MIB.

Category:

MIB

Webpage:

<http://tools.ietf.org/html/rfc2932>

RFC 2819

Description:

Remote Network Monitoring Management Information Base.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2819>

RFC 2787

Description:

Definitions of Managed Objects for the Virtual Router Redundancy Protocol.

Category:

MIB

Webpage:

<http://tools.ietf.org/html/rfc2787>

RFC 2674

Description:

Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering and Virtual LAN Extensions.

Category:

MIB

Webpage:

<http://tools.ietf.org/html/rfc2674>

RFC 2620

Description:

Radius-Acc-Client-MIB.

Category:

MIB

Webpage:<http://tools.ietf.org/html/rfc2620>**RFC 2618****Description:**

Radius-Auth-Client-MIB.

Category:

MIB

Webpage:<http://tools.ietf.org/html/rfc2618>**RFC 2576****Description:**

Coexistence between SNMPs.

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc2576>**RFC 2573****Description:**

SNMP Applications.

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc2573>**RFC 2572****Description:**

Message Processing for SNMP.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2572>

RFC 2571

Description:

SNMP Frameworks.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc2571>

RFC 2362

Description:

Protocol Independent Multicast-Sparse Mode (PIM-SM): Protocol Specification.

Category:

Router (PIM SM)

Webpage:

<http://tools.ietf.org/html/rfc2362>

RFC 2328

Description:

OSPF version 2.

Category:

OSPF

Webpage:

<http://tools.ietf.org/html/rfc2328>

RFC 2233

Description:

Interface MIB.

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc2233>**RFC 1850****Description:**

OSPF-TRAP-MIB.

Category:

MIB

Webpage:<http://tools.ietf.org/html/rfc1850>**RFC 1724****Description:**

RIPv2-MIB.

Category:

MIB

Webpage:<http://tools.ietf.org/html/rfc1724>**RFC 1643****Description:**

Ether-like MIB.

Category:

SNMP

Webpage:<http://tools.ietf.org/html/rfc1643>**RFC 1583****Description:**

OSPF version 2.

Category:

OSPF

Webpage:

<http://tools.ietf.org/html/rfc1583>

RFC 1493

Description:

Bridge.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1493>

RFC 1213

Description:

MIB II parts that apply to FortiSwitch 100 units.

Category:

SNMP

Webpage:

<http://tools.ietf.org/html/rfc1213>

FortiWeb

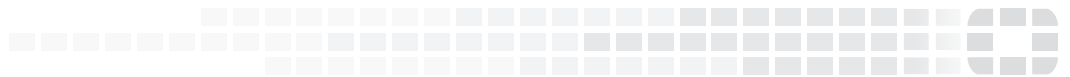
For a complete list of FortiWeb's supported RFCs and standards, refer to FortiWeb documentation at <http://docs.fortinet.com/fortiweb/admin-guides>.

Download the FortiWeb Administration Guide for your release and navigate to the appendix labelled "Supported RFCs, W3C, & IEEE standards".



FORTINET

High Performance Network Security



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