DIME WG
IETF 78

Agenda and WG Status
Tuesday, July 27, 2010

Jabber room: xmpp:dime@jabber.ietf.org
Audio: http://videolab.uoregon.edu/events/ietf/ietf785.m3u

Intellectual Property

- When starting a presentation you MUST say if:
  - There is IPR associated with your draft
  - The restrictions listed in section 5 of RFC 3978/4748 apply to your draft
- When asking questions or commenting on a draft:
  - You MUST disclose any IPR you know of relating to the technology under discussion
- References
  - RFC 5378 and RFC 3979 (updated by RFC 4879)
  - "Note well" text

Agenda

- Administrative (~25min – chairs)
  - 9:05 Jabber scribe, notes takers, blue sheets, agenda bashing
  - 9:10 Document status update

- Working Group drafts (40min)
  - 9:30- Diameter NAT Control Application (Frank Brockners)
  - 9:40- Diameter Support for Proxy Mobile IPv6 Localized Routing (Glen)
  - 9:50- Diameter Extended NAPTR (Mark Jones)
  - 10:00- Realm-Based Redirection In Diameter (Tom Taylor)

- Individual drafts (30 min)
  - 10:10- Diameter Network Access Server Application; RFC4005bis (Glen)
  - 10:30- Diameter General Purpose Session (Marco Liebsch)

- AOB (remaining 25min available)

# Document Status Update 1/5

- 1 new RFCs since IETF#77
  - RFC 5866 (Diameter QoS)

- In IESG processing (status unchanged since IETF#77)
  - Diameter Base Protocol MIB (AD evaluation: new rev needed)
  - Diameter Credit Control Application MIB (AD evaluation: new rev needed)

- Documents completed WGLC
  - Diameter Priority Attribute Value Pairs (draft-ietf-dime-priority-avps-02)
  - Diameter Attribute-Value Pairs for Cryptographic Key Transport (draft-ietf-dime-local-keytran-07)

- Documents (still) waiting for Proto Write-Up
  - Diameter Capabilities Update Application (draft-ietf-dime-capablities-update-05)
 - Diameter Base Protocol (draft-ietf-dime-rfc3588bis-21)

Document Status Update 2/5

- New IPRs disclosures
  - RFC5866; see https://datatracker.ietf.org/ipr/1344/

- Pending erratas
  - #1946; RFC4005 Technical
  - #2333-7; RFC5777 Editorials

- WG documents not updated since IETF#77
  - Diameter support for the EAP Re-authentication Protocol (draft-ietf-dime-erp-03)
  - Diameter IKEv2 PSK (draft-ietf-dime-ikev2-psk-diameter-02)
  - Diameter Applications Design Guidelines (draft-ietf-dime-app-design-guide-11)

IPRs disclosures
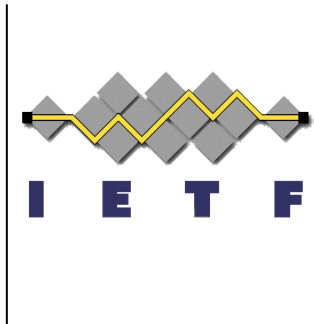
- RFC5866; see https://datatracker.ietf.org/ipr/1344/
  - Reported after the publication of the RFC!
  - Patent: CN 200610058235.1
  - Date(s) granted or applied for: Apr 15, 2009
- Claims:
  - Still unknown..
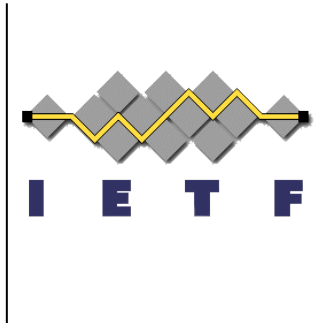
RFC 4005 Errata #1946

- Status & Type: Reported/Technical

- Section 9.2 says:
  - If the Accounting-Input-Octets, Accounting-Input-Packets, Accounting-Output-Octets, or Accounting-Output-Packets AVPs are present, they must be translated to the corresponding RADIUS attributes. If the value of the Diameter AVPs do not fit within a 32-bit RADIUS attribute, the RADIUS Acct-Input- Gigawords and Acct-Output-Gigawords must be used.

- Proposed to remove Accounting-*-Packets.
- How about overloads for packet counters?
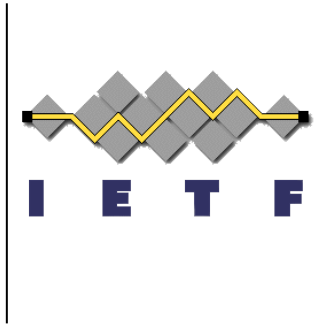
RFC 5777 Errata #2333

- Status & Type: Reported/Editorial
  - Fine with authors

- Section 4.2.1: Time-Of-Day-Condition
  - 3 AVPs missing from the ABNF
  - Add:
    - [Absolute-Start-Fractional-Seconds]
    - [Absolute-End-Fractional-Seconds]
   - [Timezone-Offset]

RFC 5777 Errata #2334

- ## Status & Type: Reported/Editorial
  - Fine with authors

- ## Section 10.1: Treatment-Action
  - Change Grouped to Enumerated
  - Treatment-Action type is Enumerated in other parts of the document

RFC 5777 Errata #2335

- Status & Type: Reported/Editorial
  - Fine with authors

- Throughout the document, when it says: IP-Bit-Mask-Width it should say IP-Mask-Bit-Mask-Width
  - Change Bit-Mask-to IP-Mask-Bit-Mask-Width
  - Even IANA registry uses IP-Mask-Bit-Mask-Width
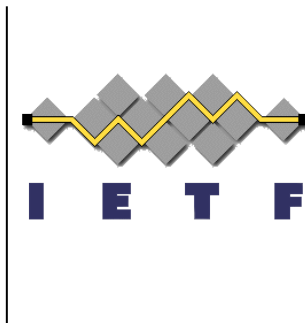
RFC 5777 Errata #2336

- Status & Type: Reported/Editorial
  - Fine with authors

- Section 4.2.8 says:
  - The Absolute-Start-Fractional-Seconds AVP (AVP Code 567) is of type Unsigned32. The value specifies the fractional seconds that are added to Absolute-Start-Time value in order to determine when the time window starts. If this AVP is absent from the Time-Of-Day- Condition AVP, then the fractional seconds are assumed to be zero.

- The AVP description lacked a explanation about what a fractional second is. Proposed:
  - The Absolute-Start-Fractional-Seconds AVP (AVP Code 567) is of type Unsigned32. The value specifies the fractional seconds that are added to Absolute-Start-Time value in order to determine when the time window starts. The Absolute-Start-Fractional-Seconds represent a 32-bit fraction field giving a precision of about 232 picoseconds ($1/((2^{32})-1)$ seconds). If this AVP is absent from the Time-Of-Day- Condition AVP, then the fractional seconds are assumed to be zero. See the Network Time Protocol [RFC 1305] for more precision.

RFC 5777 Errata #2337

- Status & Type: Reported/Editorial
  - "Absolute-Start-Fractional-Seconds" should read "Absolute-End-Fractional-Seconds" -> once fixed, ok with authors

- Section 4.2.10 says:
  - The Absolute-End-Fractional-Seconds AVP (AVP Code 569) is of type Unsigned32. The value specifies the fractional seconds that are added to Absolute-End-Time value in order to determine when the time window ends. If this AVP is absent from the Time-Of-Day-Condition AVP, then the fractional seconds are assumed to be zero.

- The AVP description lacked a explanation about what a fractional second is. Proposed:
  - The Absolute-Start-Fractional-Seconds AVP (AVP Code 569) is of type Unsigned32. The value specifies the fractional seconds that are added to Absolute-End-Time value in order to determine when the time window ends. The Absolute-End-Fractional-Seconds represent a 32-bit fraction field giving a precision of about 232 picoseconds (1/((2^32)-1)) seconds). If this AVP is absent from the Time-Of-Day- Condition AVP, then the fractional seconds are assumed to be zero. See the Network Time Protocol [RFC 1305] for more precision.

Document Status Update 3/5
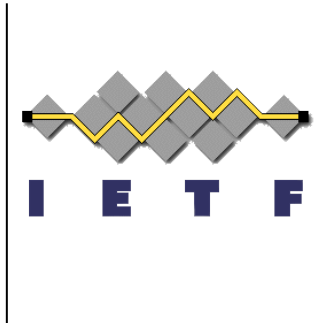
- Diameter NAT Control Application (draft-ietf-dime-nat-control-03)
  - Ready for WGLC?

- Diameter Support for Proxy Mobile IPv6 Localized Routing (draft-ietf-dime-pmip6-lr-01)

- Diameter Extended NAPTR (draft-ietf-dime-extended-naptr-01)
  - Changed to comply with RFC 3958 S-NAPTR
  - Alignment with draft-ietf-radext-dynamic-discovery

- Realm-Based Redirection In Diameter (draft-ietf-dime-realm-based-redirect-03)
  - Ready for WGLC?

Document Status Update 4/5

- Mailstone update
  - Jun 2009 Submit new DIME charter to the IESG
    - Not Done; 2009 charter is the latest
  - Jun 2009 Submit 'Updated IANA Considerations for Diameter Command Code Allocations' as DIME working group item
    - Done
  - Jul 2009 Submit 'Updated IANA Considerations for Diameter Command Code Allocations' to the IESG for consideration as a Proposed Standard
    - Done RFC 5719
  - Jul 2009 Submit 'Diameter NAT Control Application' as DIME working group item
    - Done
  - Jul 2009 Submit 'Diameter Capabilities Update' as DIME working group item
    - Done
  - Aug 2009 Submit 'Diameter Application Design Guidelines' to the IESG for consideration as a BCP document
    - Not Done; status waiting for Lionel's review
  - Nov 2009 Submit Revision of 'Diameter Base Protocol' to the IESG for consideration as a Proposed Std
    - Not Done; status waiting for proto write-up (Jouni's review)
  - Nov 2009 Submit ' Diameter Credit Control Application MIB' to the IESG for consideration as an Informational RFC
    - Done; status AD Evaluation::Revised ID Needed

Document Status Update 5/5

- Mailstone update
  - Nov 2009 Submit 'Diameter Base Protocol MIB' to the IESG for consideration as an Informational RFC
    - Done; status AD Evaluation::Revised ID Needed
  - Nov 2009 Submit 'Diameter Capabilities Update' to the IESG for consideration as a Proposed Std
    - Not Done; status waiting for proto write-up
  - Jan 2010 Submit 'Diameter Support for EAP Re-authentication Protocol' to the IESG for consideration as a Proposed Std
    - Not Done;
  - Jan 2010 Submit 'Diameter NAT Control Application' to the IESG for consideration as a Proposed Standard
    - Not Done;

- Add missing documents to milestones:
  - Diameter IKEv2 PSK
  - Diameter Priority Attribute Value Pairs
  - Diameter Attribute-Value Pairs for Cryptographic Key Transport
  - Diameter Support for Proxy Mobile IPv6 Localized Routing
  - Realm-Based Redirection In Diameter
  - Diameter Extended NAPTR

Feedback?