

Radext session: Monday 2013-11-04 13:00 – 1420

Posted agenda, see <http://datatracker.ietf.org/meeting/88/agenda/radext/> :

*RADEXT WG IETF 88 Agenda*

*Chairs:*

*Jouni Korhonen <jouni.korhonen at broadcom.com>*

*Mauricio Sanchez <mauricio.sanchez at hp.com>*

*Jabber room: radext at jabber.ietf.org (Please join)*

*Monday, Nov 4, 2013*

*1:00 - 2:30PM*

*Plaza A*

*1:00 - 1:10 PM, Preliminaries (10 minutes)*  
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*Audio/Video & Remote Presentation Debugging*

*Note Well*

*Note Takers*

*Jabber scribe*

*Agenda bash*

*Document Status*

*Working group draft discussion (45 minutes)*  
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*1:10 - 1:20PM DTLS as a Transport Layer for RADIUS, Alan DeKok (10 minutes)*

*<http://tools.ietf.org/id/draft-ietf-radext-dtls>*

*1:20 - 1:25PM The Network Access Identifier, Alan DeKok (5 minutes)*

*<http://tools.ietf.org/html/draft-ietf-radext-nai>*

*1:25 - 1:30PM RADIUS dynamic discovery, Stefan Winter (5 minutes)*

*<http://tools.ietf.org/html/draft-ietf-radext-dynamic-discovery>*

*1:30 - 1:40PM RADIUS Attributes for IEEE 802 Networks, Bernard Aboba (10 minutes)*

*<http://tools.ietf.org/html/draft-ietf-radext-ieee802ext>*

*1:40 - 1:55PM Support of fragmentation of RADIUS packets, Diego Lopez (15 minutes)*

*<http://tools.ietf.org/html/draft-ietf-radext-radius-fragmentation>*

*Chartered individual draft discussion (15 minutes)*  
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*1:55 - 2:10PM Larger Packets for Remote RADIUS over TCP, Sam Hartman (15 minutes)*

*<http://tools.ietf.org/html/draft-hartman-radext-bigger-packets>*

*Wrap-up (10 minutes)*  
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*2:10 - 2:20 PM Next Steps: WG Chairs & ADs (5 minutes)*

*WG Goals/Milestones status, next steps*

Meeting Minutes:

1. Chair's introductory remarks and status, see <http://www.ietf.org/proceedings/88/agenda/agenda-88-radext>
  - a. Blue sheet reminder

- b. Jabber scribe: Alan DeKok
  - c. Minute taker: Dorothy Stanley
  - d. Status:
    - i. No RFCs Published, in editor queue.
    - ii. IEEE 802 attributes – version -09 published 2013-10-20, one of 24 issues still open.
    - iii. NAI-based peer discovery – version -08 published 2013-10-16, no open issues.
    - iv. Network Access Identifier – version -04 published – still one issue, raised by Sam Hartman should be closed before the end of the week.
    - v. Support of fragmentation of RADIUS packets – version -01 published, will be discussed today.
    - vi. Larger Packets for RADIUS over TCP – Version -00 published 2013-10, to be discussed.
    - vii. Have 2 documents that are outside the current charter: Data type in RADIUS and RADIUS extensions for key management in WLAN network.
    - viii. Chair reviewed WG goals and milestones; way beyond deadlines; however, have momentum on progressing documents.
2. Alan DeKok – DTLS draft, see <http://tools.ietf.org/id/draft-ietf-radext-dtls> and <http://www.ietf.org/proceedings/88/slides/slides-88-radext-2.ppt>
- a. Secdir and opsdire reviews completed.
  - b. No more open issues.
  - c. Submit for publication?
  - d. Comment: Transport director review still coming.
  - e. Radsec proxy and Jradius work.
3. Alan DeKok – NAI based peer discovery, see <http://tools.ietf.org/html/draft-ietf-radext-nai> and <http://www.ietf.org/proceedings/88/slides/slides-88-radext-4.ppt>
- a. Main sticking point – normalization done at edge or core.
  - b. Realm part is a DNS name; if register, then valid.
  - c. RFC 4282 not implemented.
  - d. Let DNS people handle internationalization.
  - e. Have happy users at the edge. Get on the network; computer puts blob into EAP. UTF-8?  
Can RADIUS server determine the domain name from the UTF-8 blob. This is the open issue.
  - f. Given an end user machine and a proxy, if at same Unicode version – can normalization be done?
  - g. Can't upgrade a billion edge devices.
  - h. Comment - even if not at same unicode version, will match for many values.
  - i. Little feedback from il&n folks to date; goal to close on this by end of this week.
  - j. Comment – what is the problem with RFC4282?
  - k. Bans unassigned unicode code points. If proxy receives an unassigned code point, then drop.  
Does not support upgrading proxies.
  - l. <http://tools.ietf.org/html/draft-ietf-radext-nai>

4. Bernard Aboba – IEEE 802 extensions draft, see <http://tools.ietf.org/html/draft-ietf-radext-ieee802ext> and <http://www.ietf.org/proceedings/88/slides/slides-88-radext-3.ppt>
  - a. WGLC has concluded.
  - b. One remaining issue – how to use RADIUS with wired extensions defined in IEEE 802.1X-2010 Review of TLV types, 0-127 possible TLVs.
  - c. Proposal is to create an EAPoL-Announcement attribute which can be present in all RADIUS message and include the TLVs.
  - d. Define how to deal with multiple announcements attributes in a packet. Allows TLVs longer than 253 octets to be transported by RADIUS.
  - e. Proposal is in the draft. Confirm on the list, and with Joe Salowey that he is ok with the proposed solution.
  - f. Question on the concatenation. Is there a spec that we can reference?
  - g. <http://tools.ietf.org/html/draft-ietf-radext-ieee802ext>
  
5. Diego Lopez – RADIUS Fragmentation, see <http://tools.ietf.org/html/draft-ietf-radext-radius-fragmentation> and <http://www.ietf.org/proceedings/88/slides/slides-88-radext-6.pdf>
  - a. Reviewed status: accepted as a WG document 2013-08-26. Solution focused on transport of large amounts of auth info.
  - b. Changes made to text to address issues.
    - i. Added text clarifying that proxies are assumed to base their routing decisions on the value of the User-name attribute.
    - ii. New text regarding how proxies implement RFC6929 – SHOULD forward packages even if invalid attributes are found.
    - iii. Included an example for SAML – roundtrips required.
  - c. Review of remaining issues
    - i. Proxy-State-Length attribute
    - ii. Detailed description of CoA handling.
  - d. Chair: how many people have read the -01 version? Small number of hands.
  - e. Alan: This is a hack to get data through existing systems; don't depend on it.
  - f. Sam: Believe the draft is ready for AD review and transport area review; recommend sending to those directorates for review sooner rather than later.
  - g. Get AD review when we do WGLC on -02.
  
6. Stefan not available: defer.1:25 - 1:30PM RADIUS dynamic discovery, Stefan Winter (5 minutes) <http://tools.ietf.org/html/draft-ietf-radext-dynamic-discovery>
  
7. Sam Hartman - Larger Packets for Remote RADIUS over TCP, see <http://tools.ietf.org/html/draft-hartman-radext-bigger-packets> and <http://www.ietf.org/proceedings/88/slides/slides-88-radext-5.pdf>
  - a. Review of goals: carry packets with more than 4096 octets of attributes
  - b. Applications carrying RADIUS over TLS; when security available, then can carry more info.

- c. Review of open issue: Capability negotiation requested.
    - i. Unclear that this is needed. No way to tell if server supports large packets.
    - ii. Really capability discovery.
    - iii. But is capability discovery really needed.
    - iv. Mitigated by experimental status of TCP transport, with no reasonable fallback.
    - v. Problem with multiple outstanding requests.
    - vi. Negotiation is strongly desired.
  - d. Review of open issue: Error Response.
    - i. Use error codes or access-reject
    - ii. Need feedback.
  - e. Question: Are there other circumstances when there are many packets in flight and one causes connection to be dropped?
    - i. If send malformed packet, issue introduced. Only case known.
  - f. Fix issues, post updated draft; raise any objections now.
  - g. Question: Why doesn't new infrastructure require larger packets?
    - i. Interest in implementing for RADIUS.
    - ii. Discussion on supporting RADIUS larger packets closed with approved re-charter.
    - iii. Let market decide. Some implementers and applications not interested in moving to DIAMETER.
8. Wrap-up, next steps
- a. Plan to have further discussion re: guidance on RADIUS and DIAMETER.
  - b. Benoit Claise: Call for action
    - i. There has been a request for a AAA tutorial to capture institutional knowledge.
    - ii. Please direct your interest in guidance on RADIUS and DIAMETER to the AAA tutorial.
  - c. Alan DeKok – CoA and proxy
  - d. Alan DeKok - Data Types draft
  - e. Re-charter (or not)
  - f. How many people have read Sam's draft? About 4. Revision to be published soon, get more eyes on the revision.
9. Meeting adjourned 1410.