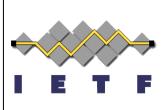
Diameter Extended NAPTR



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draft-ietf-dime-extended-naptr Mark Jones Jouni Korhonen IETF 78 Maastricht, Netherlands

I-D in a nutshell

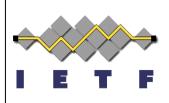


- The I-D specifies an extended RFC3403 NAPTR service field format that permits discovery of Diameter peers that support a specific Diameter application or applications:
 - "AAA+AP" <appn-id>:<app-protocol>

• Example:

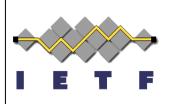
- 'AAA+AP5:diameter.sctp'
- Means that the Diameter node in the SRV record supports the Diameter EAP Application ('5') and SCTP as the transport protocol.
- Builds on S-NAPTR usage defined in RFC3588bis-21.
- NAPTR query procedure remains backwards compatible with RFC3588.

3588bis S-NAPTR Cleanup



- 3588bis-21 is now aligned to S-NAPTR (RFC3958).
- Defines Application Service / Application Protocol mappings for Diameter and RADIUS:
 - Application Service Tag:
 - aaa
 - Application Protocol Tags:
 - diameter.[tcp|sctp|tls.tcp]
- For example, the S-NAPTR Service field entry for Diameter over SCTP would be:
 - aaa:diameter.sctp

I-D Changes Since IETF#77

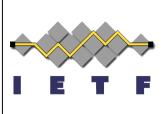


- Rev -01 was published on May 4th.
- Aligned with 3588bis and S-NAPTR (RFC3958).
- Extends the Application Service tag to include the Diameter Application ID, i.e.
 - "aaa+ap" + ApplicationID
- Created entries in S-NAPTR Application Service Tag registry for the existing IETF Diameter Applications:

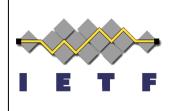
Тад	Diameter Application
aaa+ap1	NASREQ [RFC4005]
aaa+ap2	Mobile IPv4 [RFC4004]
etc	

- New IETF Diameter Applications MUST specify their service tag entries in their RFCs (if required).
- Vendor-specific applications also require an RFC (of any category).

Open Issue



- No plans to extend the S-NAPTR entry further to identify Diameter peer role (client/server).
 - Add guidance on usage of S-NAPTR entries, e.g. Diameter clients use S-NAPTR to discover servers (or vice versa) but not both.
 - Define in new I-D to add peer role to S-NAPTR if required.
- Document is complete and ready for WGLC.
- No peer review ⊗



Feedback?

