Diameter Group Signaling

draft-jones-diameter-group-signaling-00

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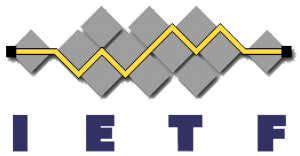

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Draft Objectives

- Describe how Diameter AAA sessions are grouped.
  - Approach is agnostic to Diameter application.
  - Use “service-specific auth request/answer” terminology like rfc3588.
  - Define AVPs for expressing group membership.
  - Define rules for group operations (add/remove).
- Define group-based equivalents for the Session Re-auth, Abort and Termination procedures.
  - Define new group commands.
  - Update the auth session state machine.
- Other protocol concerns (security, request routing, etc).

Why is this useful?

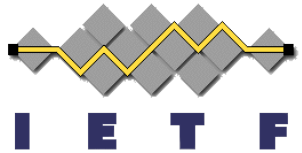
- Other SDOs have use cases that require group signaling.
  - As discussed in previous DIME meetings and Marco's draft.
- SDOs have typically built their Diameter applications extending NASREQ, Diameter EAP and DCCA.
  - Reusing RAR/RAA, STR/STA, ASR/ASA.
- This IETF draft would guide other SDOs on how to implement group signalling in their Diameter applications:
  - Encourages AVP and Command Reuse.
  - Ensures a consistent Session State Machine.

Issues and Next Steps

- Drafty draft -00 needs work in the following areas:
  - Group command procedures.
  - Request routing considerations.
  - Security considerations.
  - Examples using NASREQ/DCCA-like applications.

- Assuming Bulk Signaling is in the DIME charter, does the DIME WG think this is the correct approach?
- If so, contributors most welcome. ☺

- Questions?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