

Diameter General Purpose Session

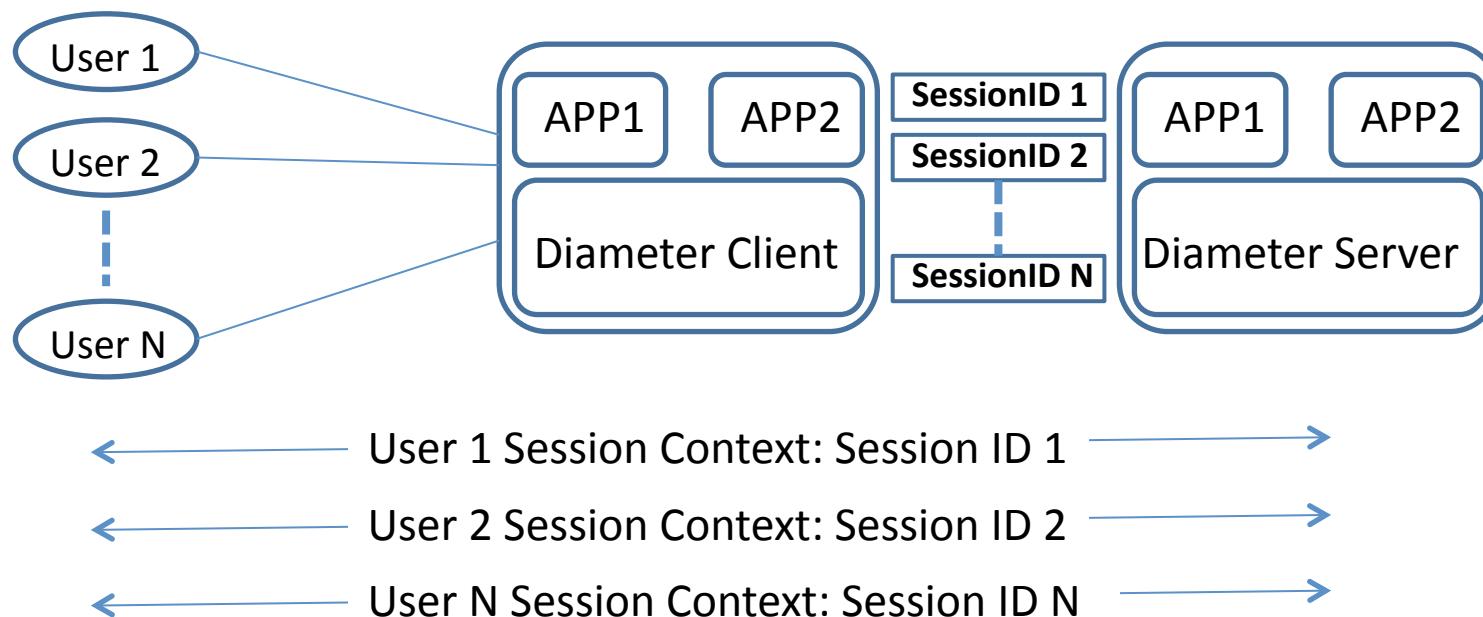
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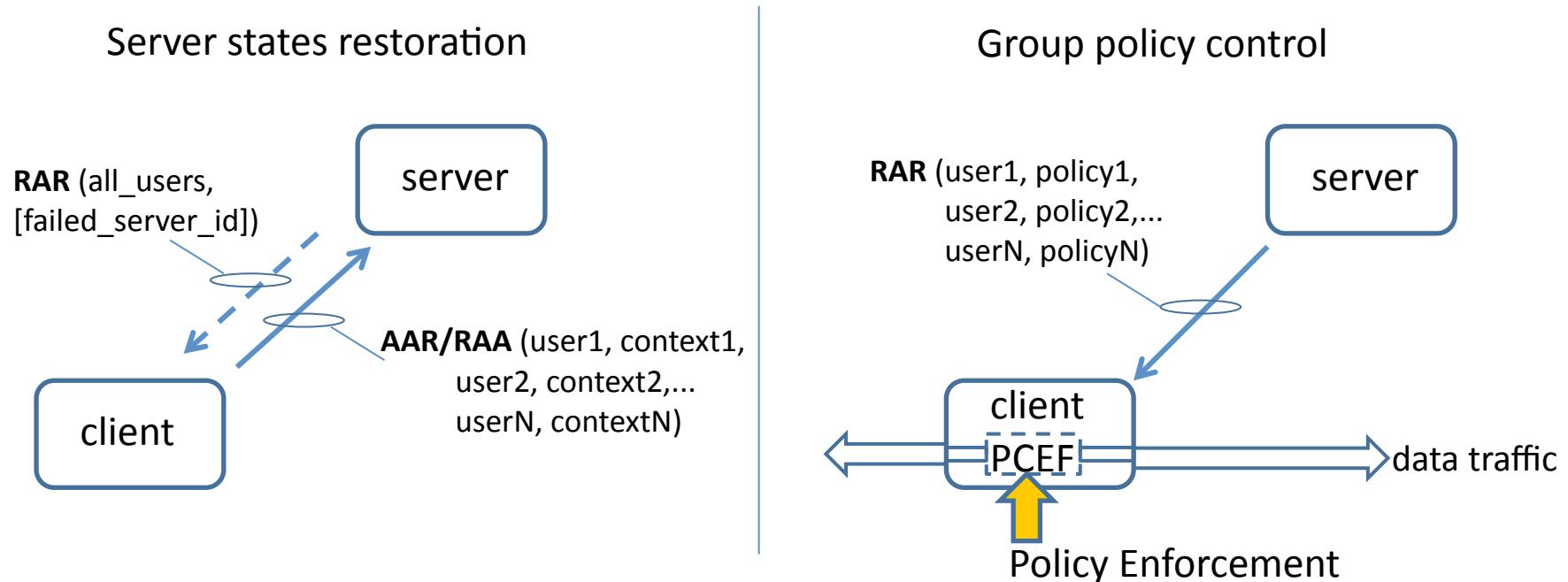
Current Diameter Session Concept

- User specific Sessions
- Session ID established during authentication/authorization
- Identifies signaling context of a particular user
- Client/Server uses Session ID to access user context



Demand for bulk signaling

- New use cases
 - Diameter node restoration (3GPP PCRF restoration)
 - Policy enforcement for subscriber groups
- Requirements: User-independent Session

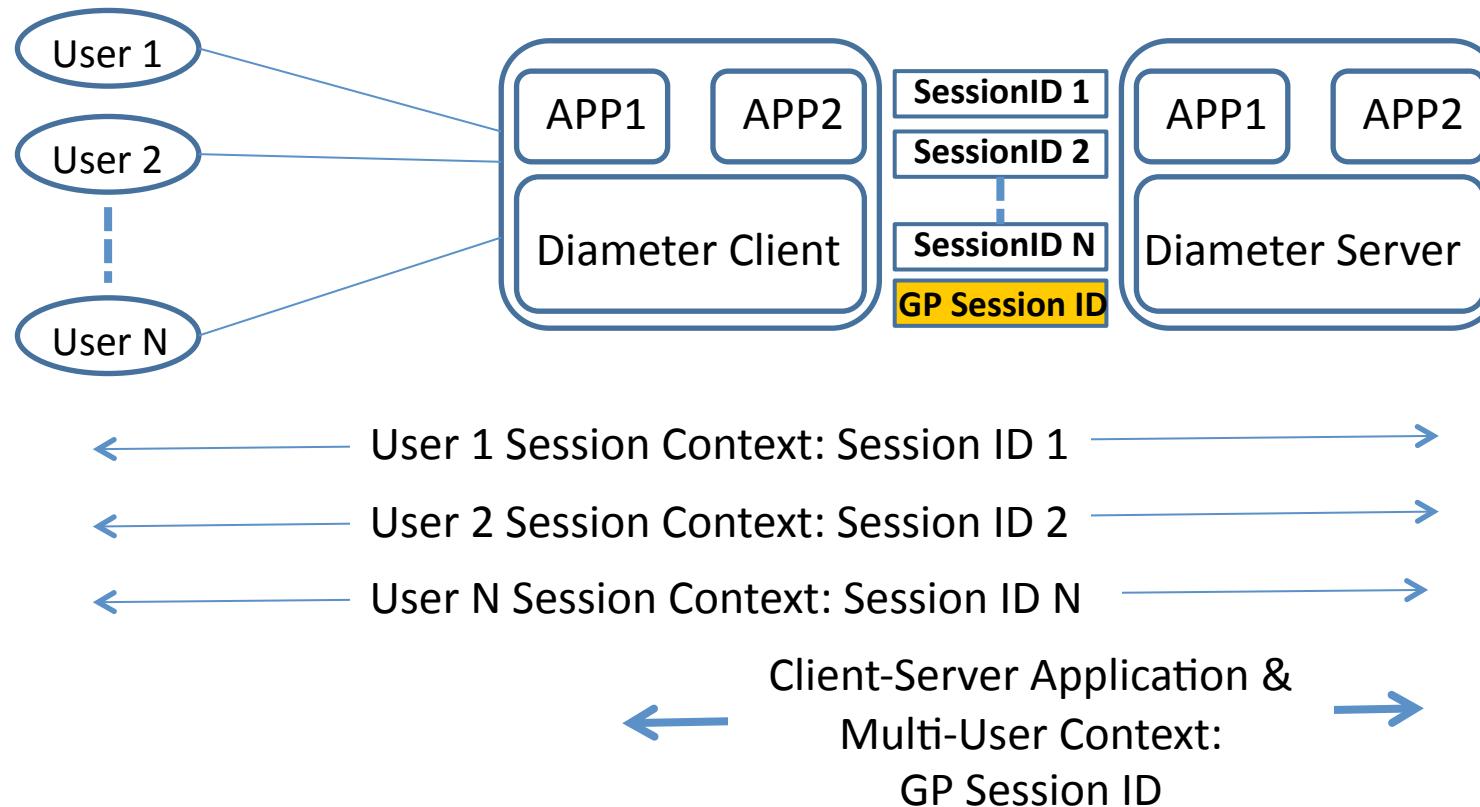


General Purpose Session Concept

- Re-uses original Session ID concept
- General Purpose (GP) Session ID does **not** identify context of a particular user
- GP Session ID either well-known, administratively set up or dynamically bootstrapped with AAR/AAA handshake

General Purpose Session Concept

- Extends the standard Diameter Session Concept



Implementation of the GP Session concept

- Clean design: dedicated Session for bulk signaling
 - No overloading of user-individual IDs and associated Diameter sessions
- Extends the original Session ID concept
 - Bootstrapping of GP Session
 - Lifetime may be associated
- Minor protocol extensions needed
 - Flag to identify GP Session during AAR/AAA

Next

- Details of the GP Session establishment / maintenance, e.g.
 - Authorization
 - Handling at Client/Server
- Comments/Questions?
- Interesting to the WG?