

Requirement for the addition of Auditing Functionality to Diameter

Update

draft-bodin-dime-auditing-reqs-01.txt

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changes

- Added 2 authors
 - Extensive review
- Added text
 - Uses ETSI definition of Hard and Soft state
 - Section on replication requirements
 - Section of soft state reservations

ETSI definitions

- Hard-state reservation: type of reservation whereby the requested resources are reserved without time limit.
- Soft-state reservation: type of reservation whereby the requested resources are reserved for a finite amount of time.
- Both are terminated when the DIAMETER session is terminated.

replication

- Warm standby: to facilitate instantiation of fresh server platform using replicated data.
- Hot Standby: replicate session data in real-time to a parallel server platform, which immediately can take over the primary server's tasks in case it fails or becomes unavailable
- Cold standby: no session data is replicated
- Callback useful in both hard and soft state reservations
 - Hard state: when a client has not been heard from in a long time
 - Soft state: when refresh timer has expired

soft state reservations

- Auditing useful at failover to speed up time required to get to sync
- In cold standby allows a backup client to re-establish at least part of the original session data

question

Does WG accept this as a work item?