Mnemosyne

An Immutable Distributed Logging Framework over NDN

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Requirements for Logging for Distributed System

Objective: to log all events from application for monitoring.

Requirements for distributed logging:

- **Partition Tolerance**: The logger should continue to function in best effort even if there is a network partition.
- **Authenticity**: Only authorized application entities can insert logs.
- **Immutability**: The logged events cannot be modified or removed by anyone.
Mnemosyne

Mnemosyne is designed for above requirements:

- **Partition Tolerance**: equal loggers and replicated logs
- **Authenticity**: by identities and signatures
- **Immutability**: similar DAG-based ledger
Thank you
Details and Q&A in Breakout room