NGI TrustChain

Utility-Preserving, Decentralized Anonymity of Mobility data
UtiP-DAM

Meeting #3 - 26.02.2024

Agenda

1- Software architecture (existing software vs. new)
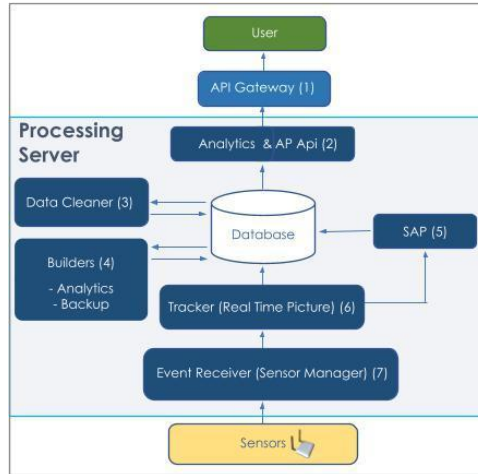
3- Performance evaluation: Initial results

2- GUI presentation

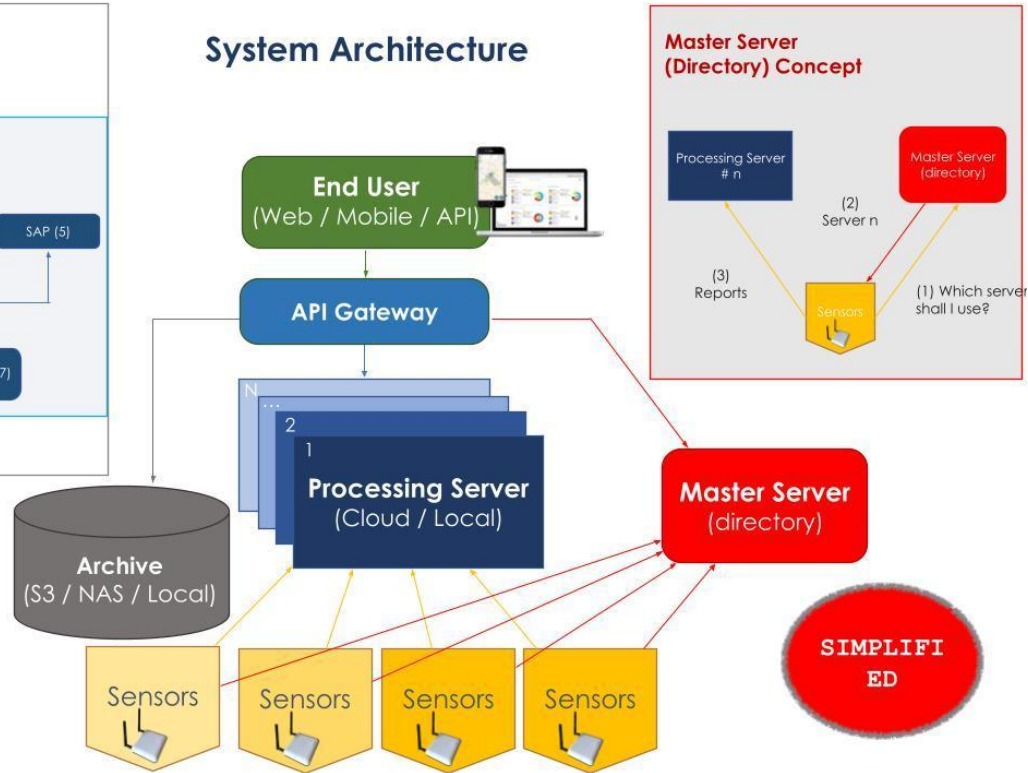4- Open issues (templates for deliverables, permission to open repository under GitHub)

5- Review action items from meeting #2

6- Plan for the next two weeks
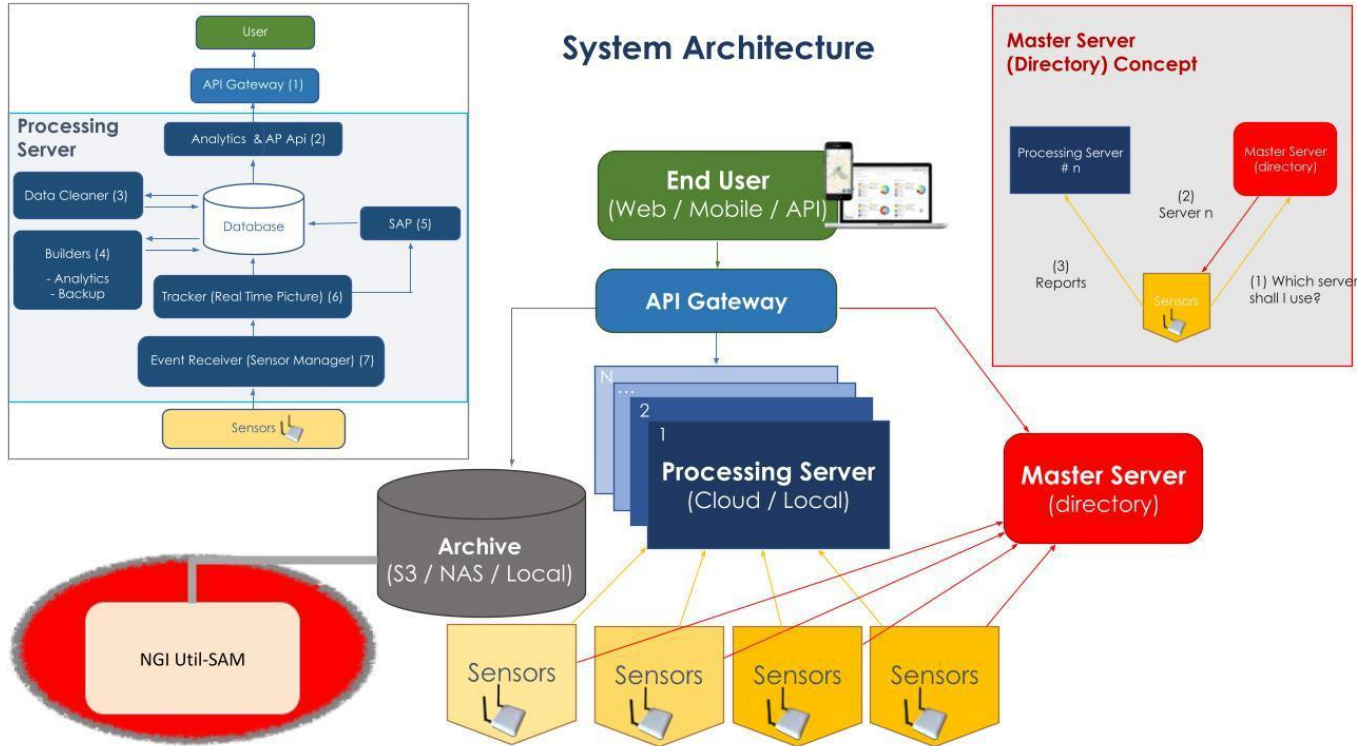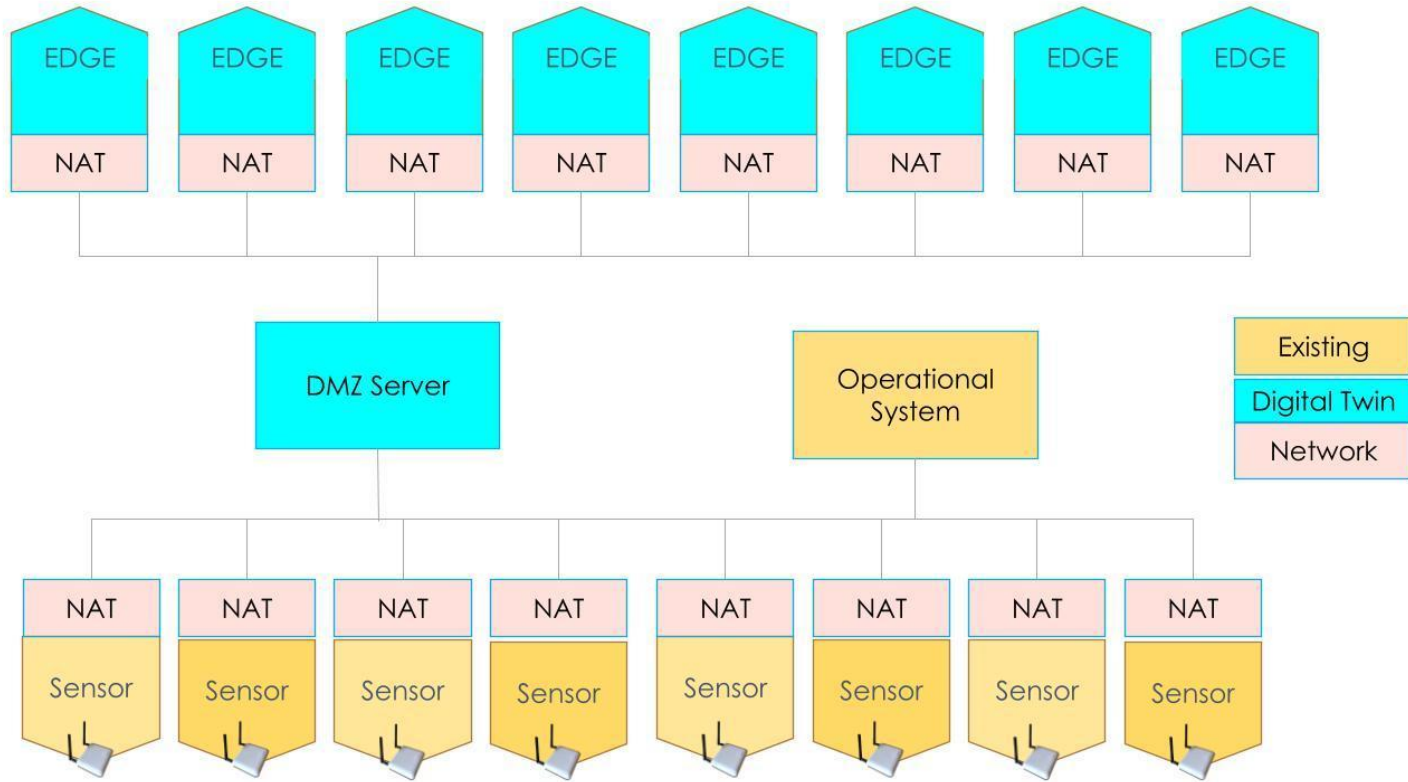
Software Architecture

System Architecture

Processing Server

- User
- API Gateway (1)
- Analytics & AP Api (2)
- Data Cleaner (3)
- Database
- SAP (5)
- Builders (4)
  - Analytics
  - Backup
- Tracker (Real Time Picture) (6)
- Event Receiver (Sensor Manager) (7)
- Sensors

End User (Web / Mobile / API)

API Gateway

Processing Server (Cloud / Local)

Archive (S3 / NAS / Local)

Master Server (directory)

Sensors

SIMPLIFIED

Master Server (Directory) Concept

- Processing Server # n
- Master Server (directory)
- (2) Server n
- (3) Reports
- Sensors
- (1) Which server shall I use?

3

Sensors

Architecture with UtiP-DAM

Architecture - EDGE Sensors

6

Meeting #2: Action items (1 of 2)

1	State of the art - Add references	Done - can be found on GitHub
2	State of the art – change profile to linking, check for existing references on linking	Done
3	Software architecture – show the current system and where the new software will be adapted.	Done - presented during the meeting and on GitHub
4	Use case – create groups (user centric use cases, data extraction uses cases, performance analysis use cases	Done - can be found on GitHub

Meeting #2: Action items (2 of 2)

5	Show first results of the system performance	Done (during the call). This is part of D2
6	EDGE Sensor - explain what do we plan to do	Done (full design will be available in the next weeks)
7	Dashboard show mockup	Done (during the call)
8	Upload documents on GitHub	Done

Plan for the next two weeks

1   Top Level Software Design

2   Dashboard finalization of the design

3   Start to prepare D1 (if possible)

4   Continue if performance analysis

Questions
&
Answers