



Automobile Manufacturer

Development of a platform for mobile data analysis

At a large automobile manufacturer, comSysto is analysing the use and costs of mobile data services in the car. This also includes the automatic validation of invoices from the mobile network providers and a projection of the benefits and costs to be expected. An additional goal is the identification and quantification of SIM card fraud from misuse.

Requirements

- Development of a big data processing change for the preprocessing and aggregation of the raw data
- Automatic detection of file formats and versions (homogenization)
- Data processing on a Hadoop cluster
- Development of a web-enabled application for analysis and monitoring

Technologies

- Big Data: Hadoop ecosystem (HDFS, Spark 2, Oozie, Yarn, Hive, Knox)
- Backend: JEE 7 on Payara (GlassFish)
- Front end: Angular 4

Procedures and Methods

- Scrum / Scrum master and development team from comSysto
- Staffing, knowledge transfer, onboarding and organisation primarily by comSysto
- Introduction of continuous delivery pipelines
- Releases after every Sprint
- Sprint review and demonstration with the product owner and customer, possibly including management
- Automated deployment, including database changes for all environments up to production