

A Notification Service for an Open Data Service

Summary

This thesis designs and implements a notification service as part of the open data service (ODS) under development at the professorship. This work includes an android client library which serves as the main gateway for communication between mobile applications and the ODS. The example app using this notification service is the “PegelAlarm”, an app that lets users define water related triggers.

Work Results

- Literature review
 - Involved technologies: existing CEP solutions, Android, Java, JSON, etc.
 - Requirements for the notification service as well as the client library, possible architectures
- Research approach
 - Design and implementation of the notification service
 - Design and implementation of a client library of the ODS
 - Design and implementation of the example app (PegelAlarm)
 - Evaluation of the notification service and client library using the example
- Research results
 - Design and implementation of the notification service and client library
 - Suggestions for improvement after evaluation

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