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Mobile Notifications
Notification Log

- Built specifically to run in the background of personal mobile devices for in-the-wild and in-lab studies

Requirements
- Reliable logging
- Unobtrusive (battery friendly)
- Extensible
- Support for most Android versions and devices
Architecture

- Notification Listener Service
- Device Meta Data and Context Data
- Google Activity Recognition API
- Google Location API

Settings UI

Notification Object Abstraction

Direct Server Push

Periodic Server Sync

On-Device SQLite Database

Browse UI

Manual Export
User Interface
Record and Replay of Notifications

Record and Replay of Notifications

Jody Castillo
Hey, I wondered does anybody know when...
Reflection on Mobile Notifications

Reflection on Mobile Notifications

Reflection on Mobile Notifications

Integration in Existing Infrastructures

Novel Experiences

Smartphone

Public Display

John Doe
Hey!
How are you today?

John Doe
2018-01-15 12:00

Gmail
2018-01-15 12:00
Google Play Store

- First version published in July 2015
- Over 70,000 downloads
- Over 10,000 active installs
- Downloads from 175 countries
- Over 360 different Android device models
GitHub

- https://github.com/interactionlab/android-notification-log
- MIT License

Google Play

- Android 4.4 – 9.0

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