

## Case Studies

### MicroMDM

- TODO

### Flyve MDM - MDM Agent for android

- TODO

### OpenMDM

- TODO

## Research and Developments

- Case Studies
- Technologies

## Making Output

### Markdowns to PDF

1. install `pandoc`
2. run below command in this folder

```
pandoc *.md -o doc.pdf
```

## Requirement Engineering

- Mobile Device Managements
  - Access Control Managements
  - Logs Managements
  - Monitoring Managements
  - Update Managements

## Q&A

- TODO

## Technologies

### Server Application and API Application

- possible choices (most popular and having experience)
  - Node.js

- GoLang
- Django

## Node.js

- Advantages
  - scalability
  - good and enomeros libraries and tools
  - fast for web tasks
- Disadvantages
  - performance
  - **time implementation overhead in many usecases**
  - **strange coding tricks required**

## GoLang

- Advantages
  - scalability
  - performance
  - simplicity
  - flexibility
  - concurrency
- Disadvantages
  - lack of libraries (because of being new language)
  - **time implementation overhead in many usecases**

## Django

- Advantages
  - **very easy and rapid development**
  - **ready to use apps and panels**
  - high-level abstractions
- Disadvantages
  - average performance
  - average scalability

## Log Management

- possible choices
  - Datadog
  - ELK (Elasticsearch) stack
  - Sentry

## Task Scheduling

- possible choices
  - Cronjob

- Celery

### **Cronjob**

- TODO

### **Celery**

- TODO

## **Real-Time Communication**

- possible choices
  - WebRTC
  - MQTT
  - Websocket

### **WebRTC**

- TODO

### **MQTT**

- TODO

### **Websocket**

- TODO