## JShelter: Extending Integration Tests

#### Vladyslav Tverdokhlib

Supervisor: Ing. Libor Polčák, Ph.D.



# Motivation



- Additional types of tests
- Tests for other functionality

# Objectives of the Thesis



### Input:

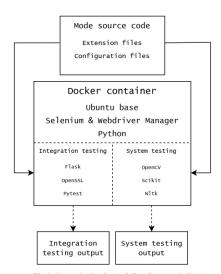
JShelter with basic tests

### Output:

- Tests with peripheral emulation
- Tests with network simulation

### Essential Information About the Solution





Obrázek 4.1: Architektura běhového prostředí.

### Essential Information About the Solution



- Client on Silenium
- Flask server

- + Docker peripheral emulation
- + Synthetic network

# Essential Information About the Solution



- Android SDK Manager
- Appium