

IoT Center

Introduction



Bonitoo - SW Engineering Company



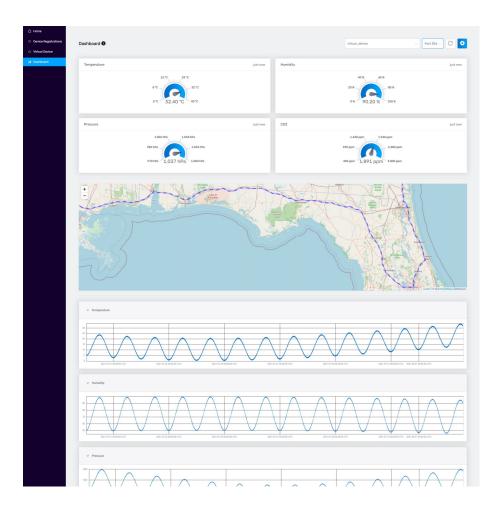
- End-to-end R&D Services (architecture, agile development, documentation, support, hosting, operation)
- Development of custom monitoring solutions
- Strong team of professionals (development for SaaS
 Startups, Enterprise Software, Mobile applications)
- InfluxData consulting partner

Delivered Client Libraries and other deliverables



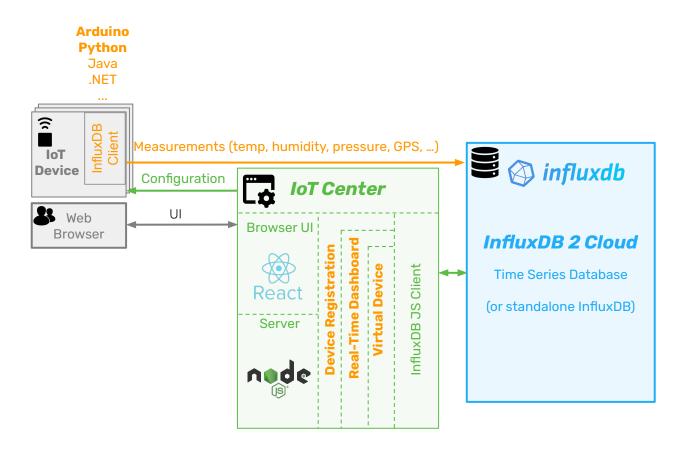
What is IoT Center?

- Simple demo application
- How to integrate InfluxDB
 - Write measurements
 - Query database
 - Manage InfluxDB
- Based on Node.js and React
- IoT Devices example (out of scope of this workshop)
- Embedded Virtual Device
- Links to source code GIT
- No DB installation InfluxDB Cloud





IoT Center Architecture





IoT Center

Three functions

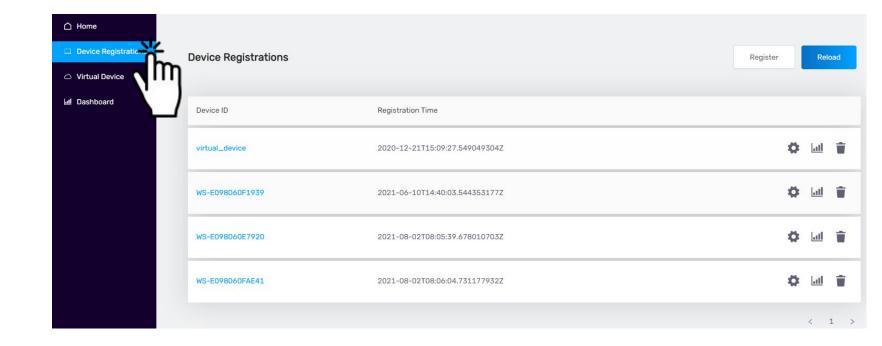
- Device Registration register new IoT Devices
- Virtual Device emulate IoT device
- Dashboard show measured data from the IoT Devices



Devices Registration

Left menu

Devices Registration





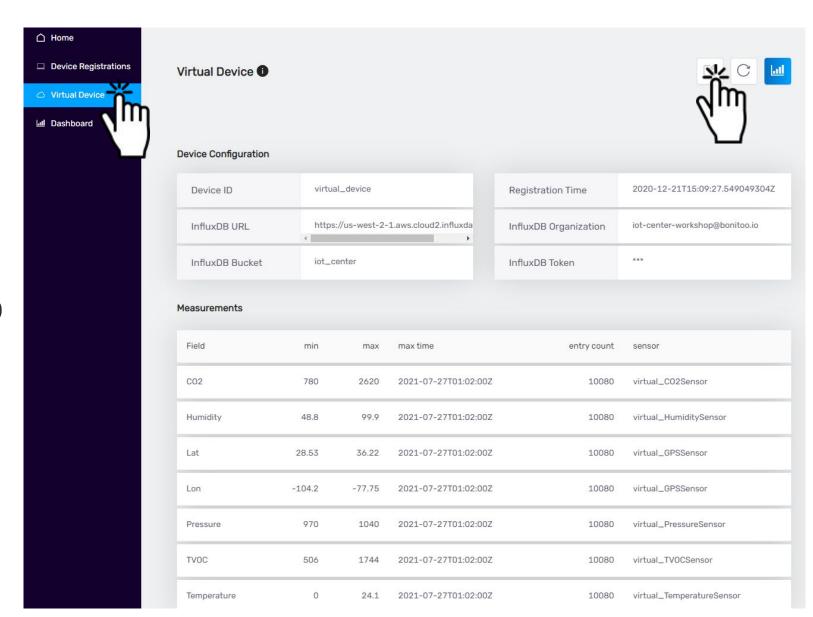
Virtual Device - Generate demo data

Left menu

Virtual Device

Top screen

- Button with pencil
- Generate data up to for the last 7 days



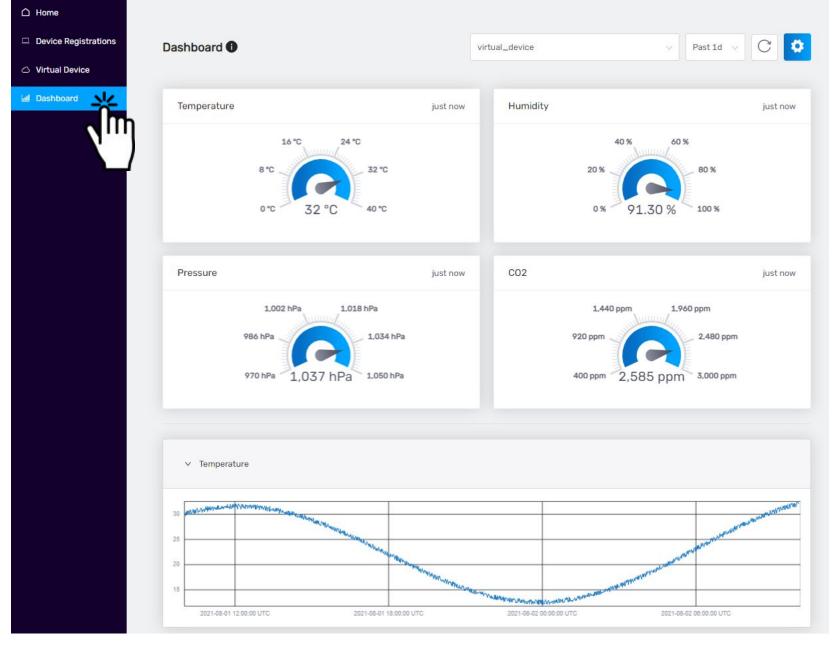
Visualisation

Left Menu

Dashboard

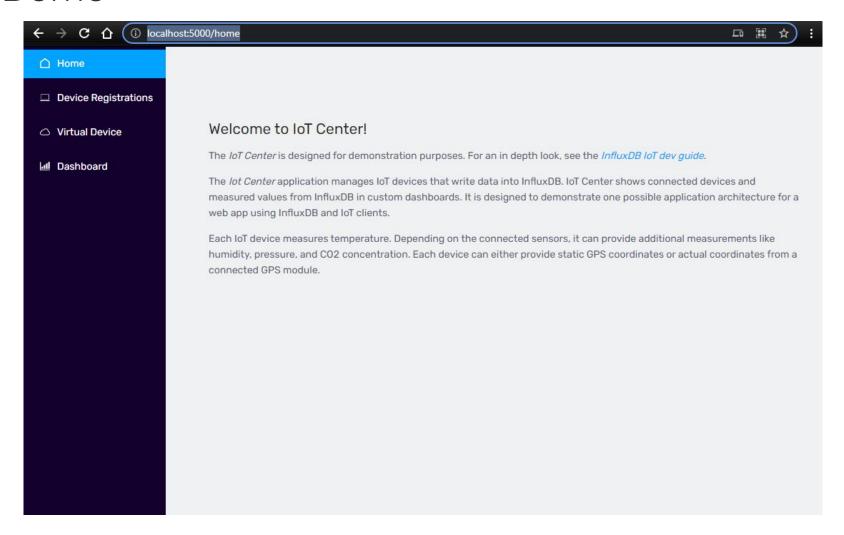
Filters

- Device
- Time





IoT Center Demo



Link - http://localhost:5000

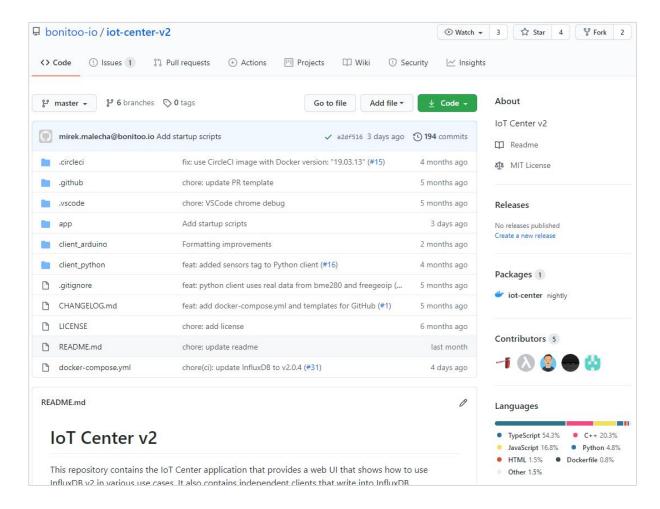


Source code organization

https://github.com/bonitoo-io/iot-center-v2

Directories

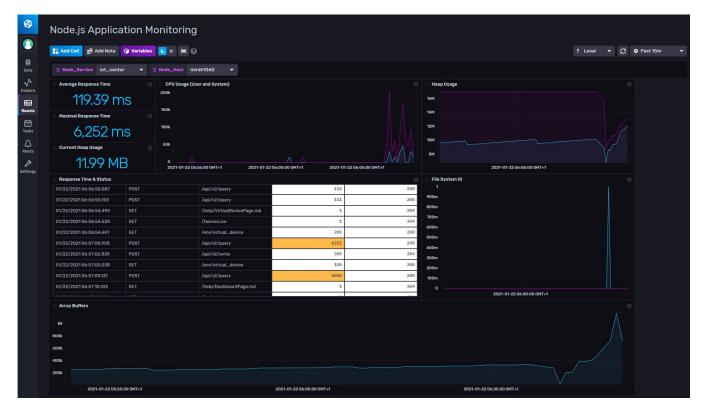
- app
 - server
 - ui
- client_arduino
- client_python
- slides

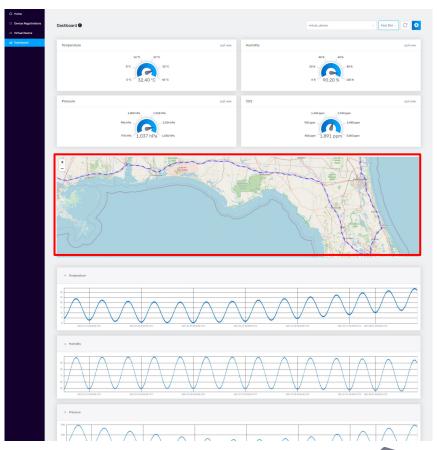




Goal of this workshop

- 1. Extend visualisations add GEO widget
- 2. Node.js applications monitoring







Documentation

- 1. Help windows embedded into IoT Center
- 2. Dev guide https://influxdata.github.io/iot-dev-guide

