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About the Project

The project aims is to represent the work of a physical IDS and the notification of alarm state

01



Major Requirements

The main requirements of this project are scalability and notification speed

02



Project Goals

The goal are to verify the access to a structure, in a possible use case: a server room

03



04

Sneak Peek

The deployment use MQTT, CoAP and HTTP for communication protocol and Python, Java and React like programming language



05

Project Stages

The principal stages are the implementation and the testing the project using a simulator.



06

Our Team

Edoardo Torrini, third year of computer engineering – seat in Mantova

WHAT WE ARE WORKING ON



SECURE

It could be deployed using
modern cryptography
algorithm



ACCESSIBLE

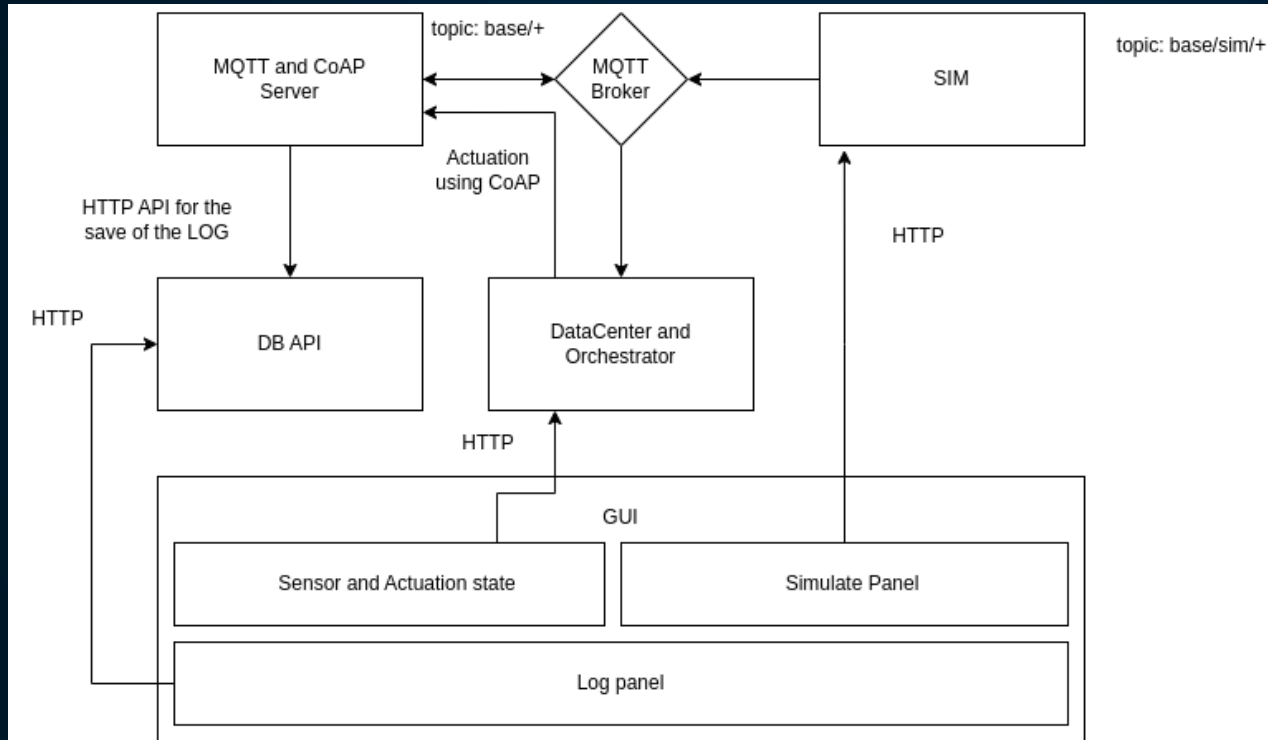
The project aims is to be
accessible from anywhere



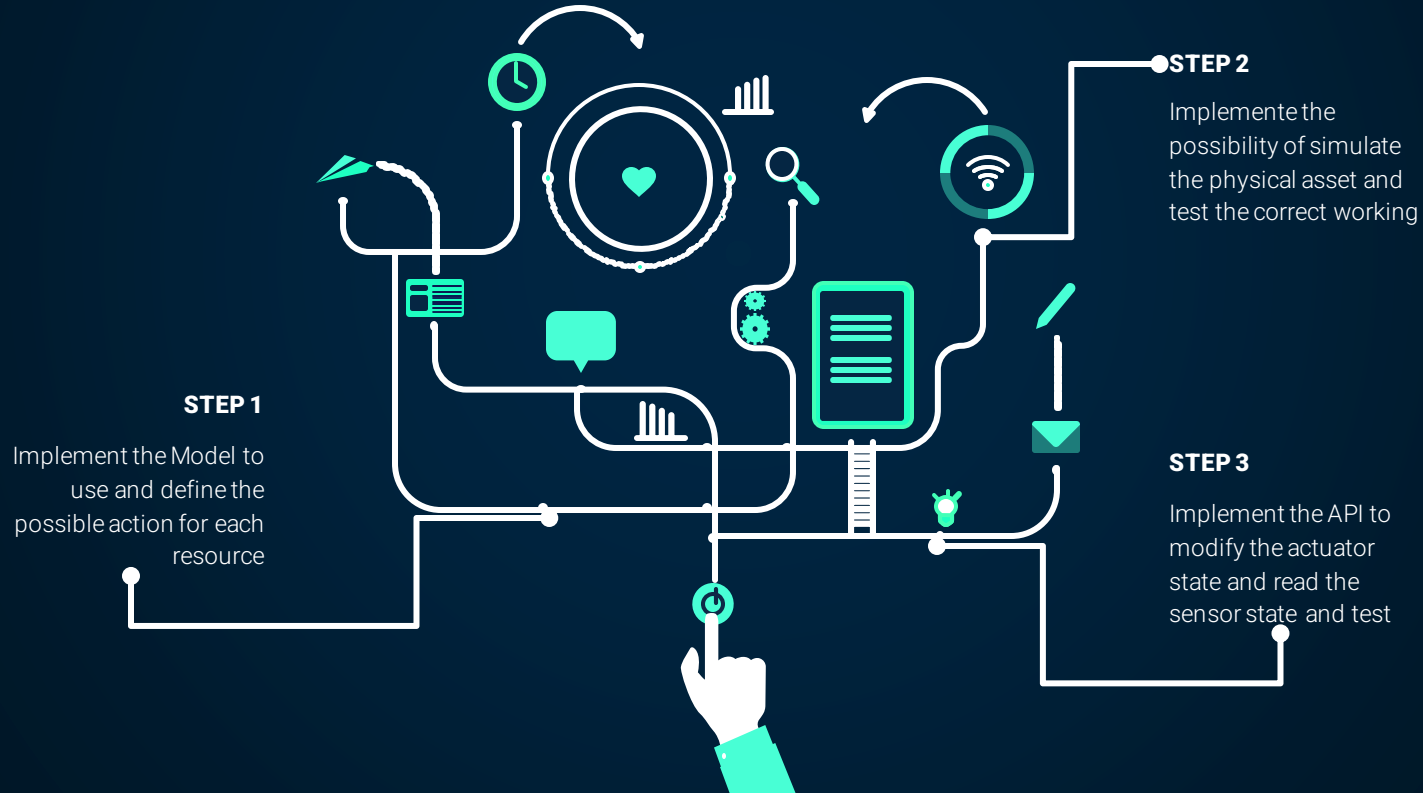
FAST AND SCALABLE

Microservices
implementation allows
scalability

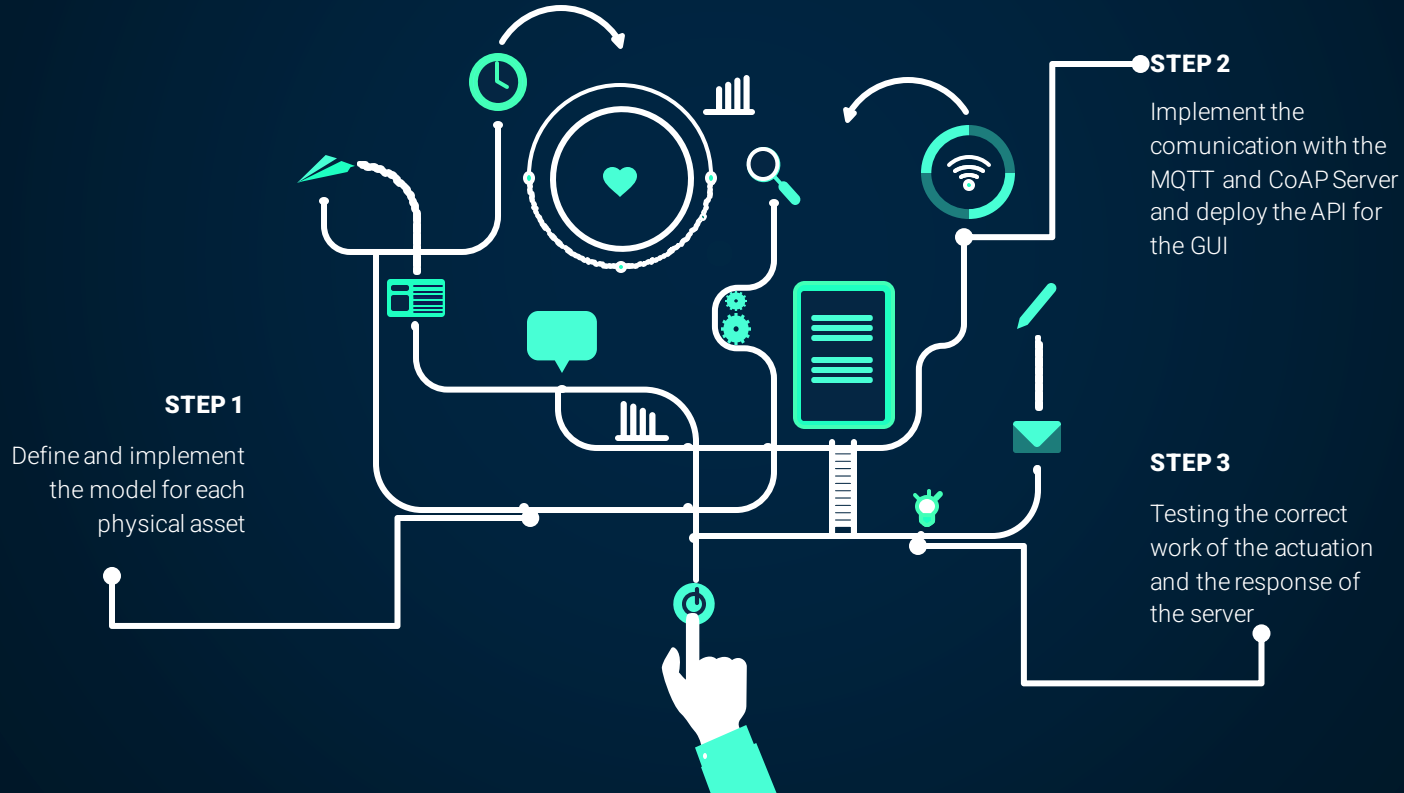
PROJECT LAYOUT



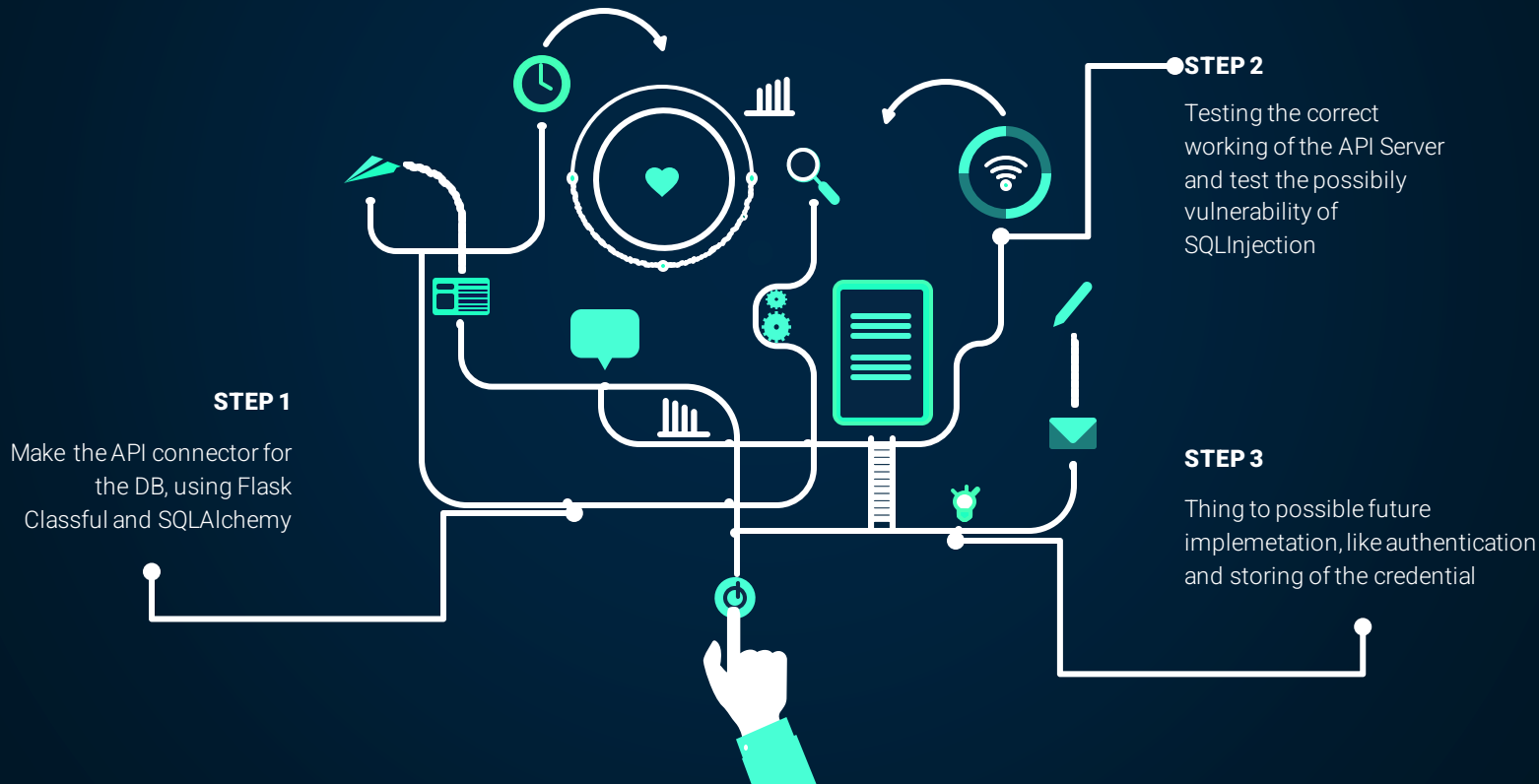
CoAP and MQTT server



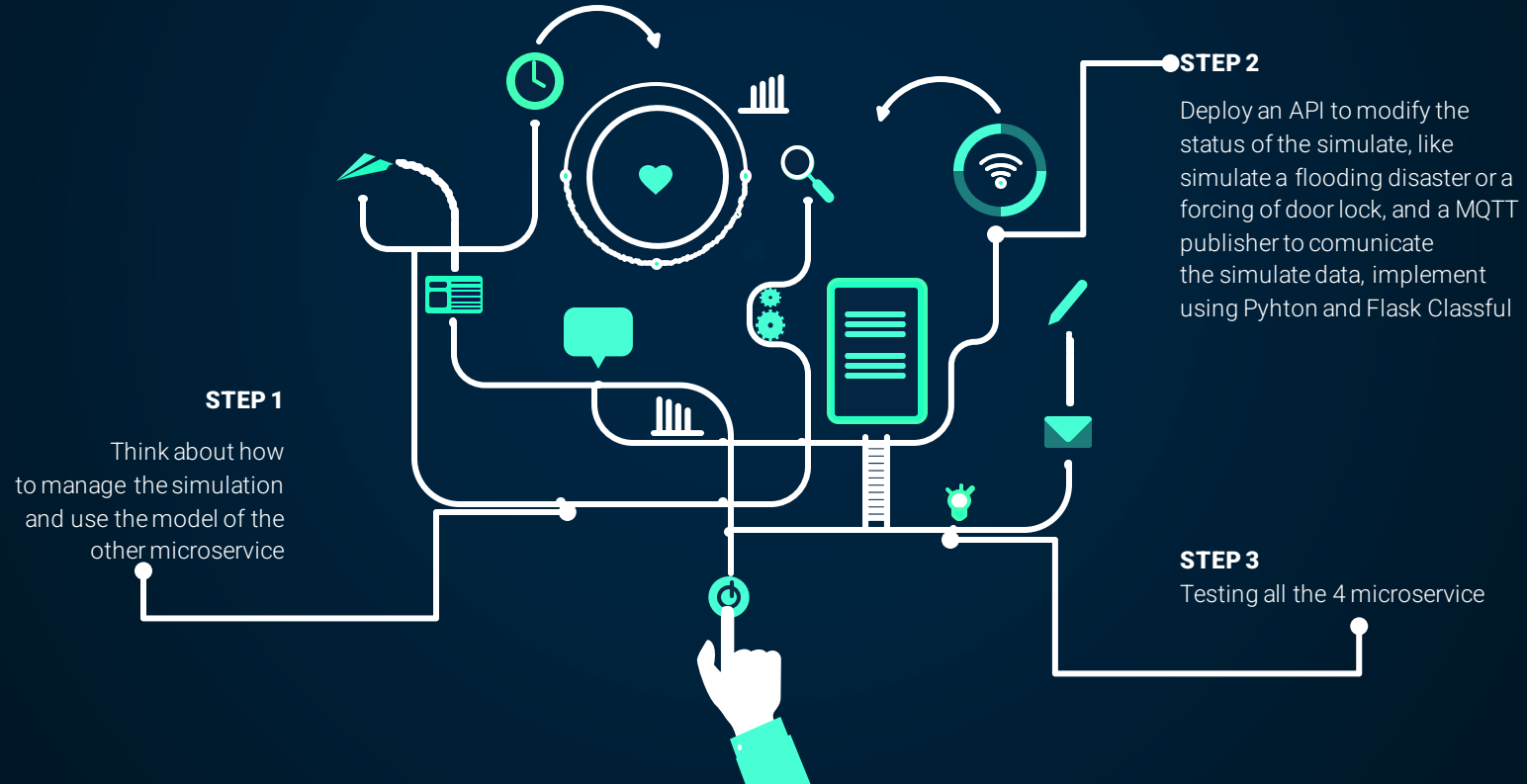
DataCenter – the Orchestrator



Database connector



Simulate Orchestrator



Graphical User Interface

