Case Study

Communication and collaboration platform for Construction, Ship Building and Facility Management Industries

*60% reduction in cost and time,
22% increase in productivity
by working smart*

Summary

ED Controls is a Communication and collaboration platform for Construction, Ship Building and Facility Management Industries. With ED Controls the snag list items, errors and instructions will, with the aid of a digital drawing, be linked to time, position and the person in charge. By simply indicating what, how and where, deficiencies can be better recorded. The better recording and faster confrontation will help to prevent problems and snag list items, solve them in a speedy manner and those in charge are addressed more easily on these issues.

Main Features

- Tickets and Audits management
- Tiling services – convert various source of blueprints to pngs
- Printing server – print tickets and audits
- Real time sync of the documents (Couch documents)
- Offline Caching and sync
- Audit templates creator
- Analytics
- Geo-maps
- License Management

Platform: iOS, Android, Web

Tech stack: Java Springboot, NodeJS, Elastic Search, Angular JS, D3.js, Swift, Kotlin, Database: CouchDB

Analytics: Google Analytics

Logging: AWS Logging

Monitoring and Alerts: Prometheus and Grafana

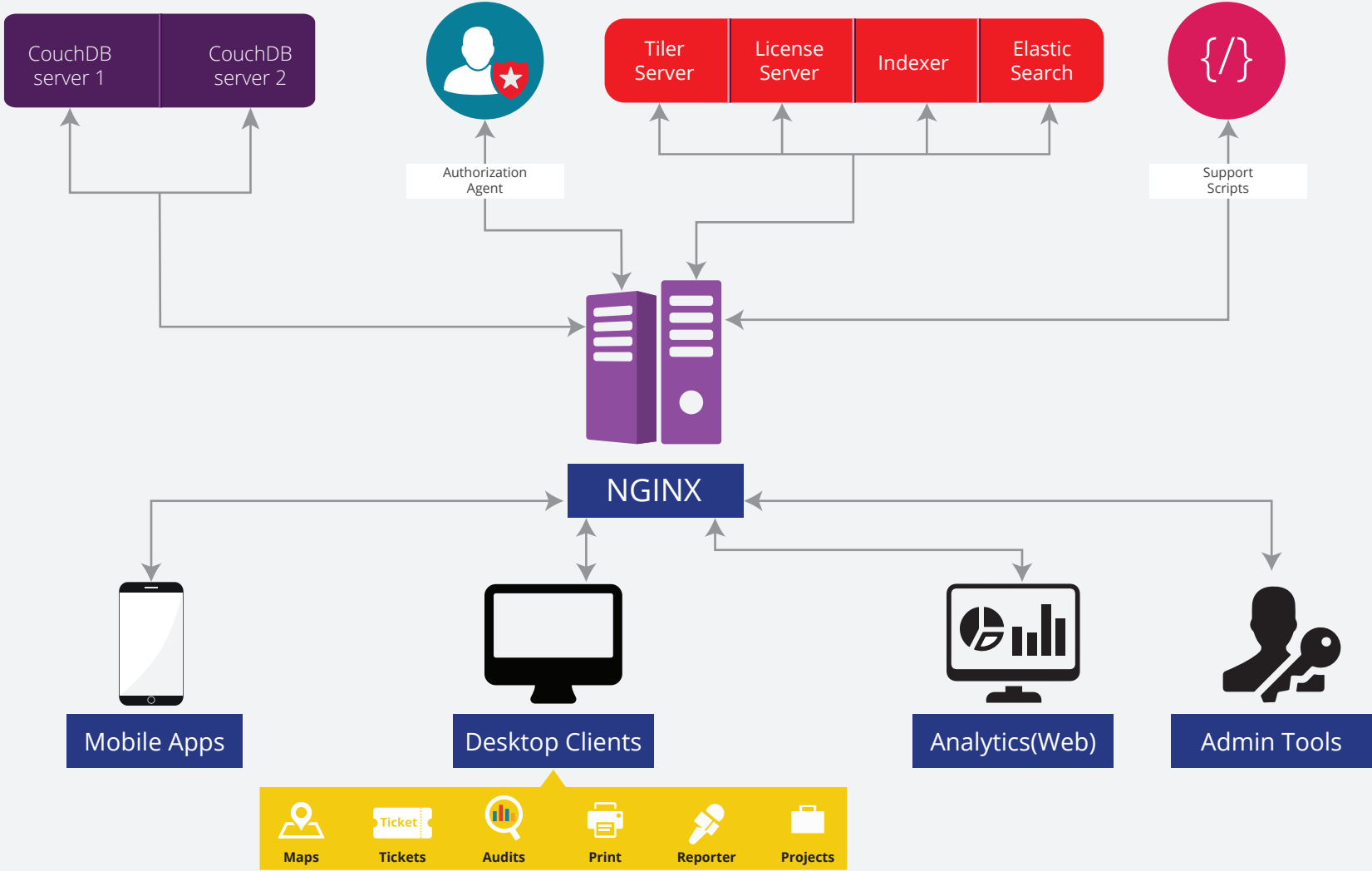**Security Tools:** Burp Suite Web Vulnerability Scanner, OWASP ZAP tool
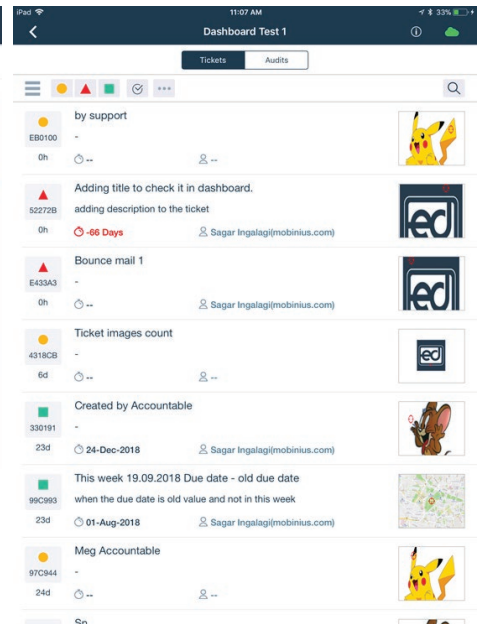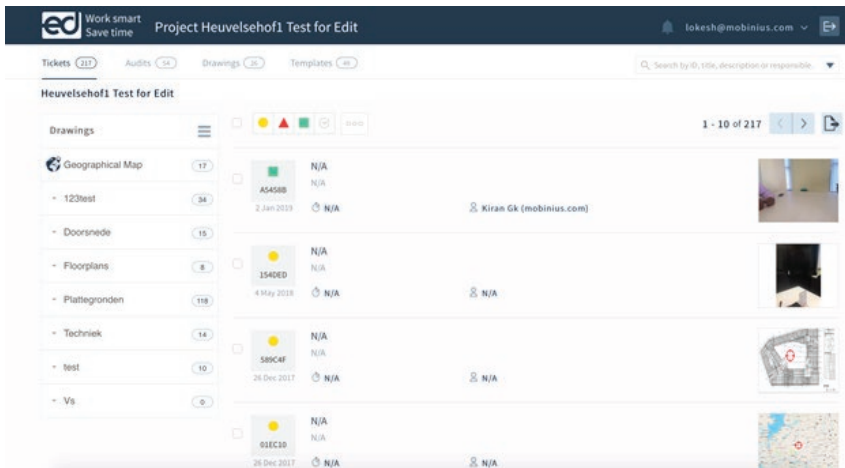
Hosted in: AWS

App store link: *https://itunes.apple.com/us/app/ed-controls/id495899113*

Google play store: *https://play.google.com/store/apps/details?id=com.edcontrol.edcontrols&hl=en*

For more info: *www.edcontrols.com*

System Overview

CouchDB server 1 | CouchDB server 2

Authorization Agent

Tiler Server | License Server | Indexer | Elastic Search

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Support Scripts

NGINX

Mobile Apps

Desktop Clients

Maps | Tickets | Audits | Print | Reporter | Projects

Analytics(Web)

Admin Tools

Screenshots

Headquarters

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