

# The installation, configuration and use of QFieldCloud

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## **1 Introduction**

Short introduction

## **2 Installation of QFieldCloud**

### **2.1 Docker and docker-compose**

### **2.2 Installation on VirtualBox**

### **2.3 Installation on RedHat Enterprise Linux 8 Server**

### **2.4 Difference of different instances**

## **3 Components of QFieldCloud and their configuration**

Let's go through the contents of .env file and different yaml files

- 3.1 Minio
- 3.2 Caddy
- 3.3 Databases
- 3.4 Other components
- 4 Managing QFieldCloud
  - 4.1 Management scripts
  - 4.2 Admin view
- 5 The installation and configuration of client software
  - 5.1 QField Sync plugin and QField Dev mobile application
- 6 Working with a cloud project on QGIS
  - 6.1 The synchronization modes
  - 6.2 The project types
  - 6.3 Downloading data
  - 6.4 Preparing a project in QGIS
  - 6.5 Sending a project to the cloud
  - 6.6 Synchronization of a cloud project to QGIS
- 7 Working with a cloud project on the mobile app
- 8 Results
  - 8.1 The working parts
  - 8.2 The non-working components
- 9 Discussion and conclusions