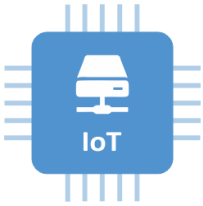
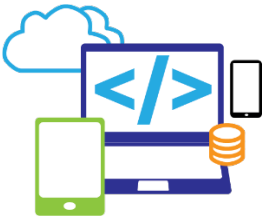
Labeeb IoT Documentation

- Getting Started
- How the Labeeb IoT Platform is Designed
- How to Access Labeeb IoT Servers
- How to Build a Business Rule and Serverless Application
- How to Build a Customized Dashboard
- How to Define your Data and your Devices
- How to Test your Labeeb IoT Account
- How to Use the Portal
- Predictive Maintenance Module

- Tutorial N°1: Air Monitoring Using Raspberry Pi
- Tutorial N°2: Wearable Sensors with Android Application
- Tutorial N°3: Altimeter Sensor on ESP8266 Board
- Tutorial N°4: Connect Meshlium IoT Gateway to Labeeb IoT
- Tutorial N°5: Labeeb IoT Applications



- How to Connect Your Device to Labeeb IoT
- MQTT Communications Protocol
- Arduino library for Labeeb IoT Devices
- C SDK for Labeeb IoT Devices
- Python SDK for Labeeb IoT Devices
- HTTP Communications Protocol
- COAP Communications Protocol



Labeeb IoT REST API Documentation

- PHP wrapper to RestFul/JSON web services
- Labeeb IoT SDKs

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PLATFORM FEATURES

Labeeb IoT platform provides the following features:

- Secure sending and retrieving data through the support of https and SSL/TLS protocols.
- Support connections from IoT devices through MQTT, MQTT over Websocket, HTTP Restfull interface and COAP
- Storage in SQL and No-SQL data bases.
- Analytics to retrieve and aggregate data from our big data.
- Business Rules Manager.
- Restful API to build your applications and manage your devices.

RELEASE 4,0

This release mainly introduces a new UI/UX with the dynamic dashboard that users can build and the support on a new communication protocol to connect IoT devices.

NEW FEATURES

- [LBBMZM-422] - Labeeb IoT Web Portal migration and enhancements
- [LBBMZM-423] - Support for users defined dashboards
- [LBBMZM-521] - DCM support of JSON over HTTP

RELEASE 3.1

This release mainly introduces enhancements on the rules engine and the support of sending/storing multimedia.

NEW FEATURES

- [LBBMZM-285] - Add capability to share data with external sources (external MQTT brokers, SQL databases, REST web services and SMS)
- [LBBMZM-409] - Support for Multimedia Unstructured Data
- [LBBMZM-419] - Usage restriction alerts via email

BUG FIXES

- [LBBMZM-446] - Signup issues when enterprise name has capital letters

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