

# mond**o**basic

## Basic IoT platform by MondoSenz

### Key features:

- Basic IoT device/data connectivity & security
- Basic user management & access applications
- Basic IoT data management & publishing

### Main functions of the MondoBasic IoT-platform:

#### Extract data:

Extracts data from disparate sources using wide variety of protocol adapters. Integration with **MondoAccess** gateway – including access management and MQTT data exchange based on Sparkplug B specification.

Converts data from disparate sources (including **LoRaWan, SigFox, NB-IoT**) to a common and unified format and precision to simplify the construction of and ingestion by other applications and data consuming/producing systems (e.g. **ERP, BI, CRM**).

#### Compute data:

Performs complex rules on data streams to intelligently reduce, compress, and transmit data in an optimal way.

Adds compute power anywhere in the network both at the edge, and consolidating and processing data from multiple edge nodes - e.g. to further reduce it before sending it on to next destination.

Enables critical decisions to be made - and appropriate actions taken - without the expense and delay involved in processing everything at a higher location in the data flow topology.

#### Move data:

Build-in data models - enable you to define structures for various data types and for collections of data you want to share.

Data controls - enable you to define data flow policies: which data goes to which apps/user and at which time.

“Northbound” application connectors - allows for subscription to data by authorized applications and services.

### Intro to the MondoBasic platform:

MondoBasic: IoT-platform with instant web-based deployment, and industry-leading SW-technologies for applications, supervisory control and data acquisition - all on one open and scalable universal platform.

MondoBasic empowers your business - to easily and seamless control your processes, and track, display, and analyze all your data, without limits and in realtime. The platform is designed from the ground up to be approachable and easy to get started with, while it is flexible and capable of scaling up to the largest projects.

The platform is unlimited, so you can seamlessly connect all your data, design any kind of industrial/business application with ease, and instantly web-deploy unlimited clients to anyone, anywhere — all from one universal platform for “data handling & exchange” and at a low cost and short time-to-market.

## Scalable and server-based architecture on AWS infrastructure

Our IoT-platform is a “one place only” solution and everything else is connected to the same virtual – but “big time” scalable - server-platform. No installations are necessary for user clients (runtimes). We have created a scalable and centrally management IoT-system and data-HUB using an AWS-based server architecture. Projects can be small and expanded out indefinitely as your business grows, or you can have smaller installations connected to and interacting with other larger systems.

## Simple implementations and unlimited possibilities

The server gives you unlimited access to resources – and to unlimited clients, unlimited tags, unlimited applications, and more. With unlimited run-time clients, you can get your important data and analytics to your entire team, across your whole company. The IoT-system allows you to create and use as many tags as you need for devices, OPC servers, and anything else, without limits.

## Deployment based on standard SW and open source solutions

The IoT-platform is installed, deployed, and managed using standard technologies and runs on the AWS innovative cloud platform. It Works with any major operating system, even iOS and Android. The AWS-platform and use of recognized and open source SW-technologies, means that you can run any application and exchange data with any business SW.

Backups of your system are done automatically and are redundant and runtime clients and sessions are launched using the web and all major mobile platforms.

## Built-in Security

Security is built-in to every aspect of the MondoBasic IoT-system. You can manage users, edit screen permissions down to the individual tag or component level - and in addition the entire data stream is secured by cryptation, managed certificates etc.

## Extending the platform:

A more advanced IoT-platform (more functions), **MondoAdvance**, is established by adding a range of extra modules to the MondoBasic platform:

