Building Edge to Cloud IoT Solutions

Featuring Intelligent IoT Gateway

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Enterprise IoT

Smart pumps can further improve safety by standardizing the dosing units and calculating the rate in these dosing units, as well as mL/hr, eliminating the risk of calculation error.


Help with finding a parking space

30 percent of drivers in cities are looking for a parking space.
Intelligent machine-to-machine (M2M) solutions make life easier in the city.

Intelligent Street Lighting
turns on (or increases the light intensity)
when the street is actually used

1 Sensors "detect"
whether a parking space
is occupied or vacant and…

2 … transmit **data to**
the central **server**

3 Smartphone app
"requests" a parking
space and guides
drivers to the free space

4 Parking fee
is paid directly
through the app

5 Special permit
Administration of
- parking and local resident IDs
- permits for taxis, coaches,
  deliveries

6 Legitimation
Access control to restricted traffic
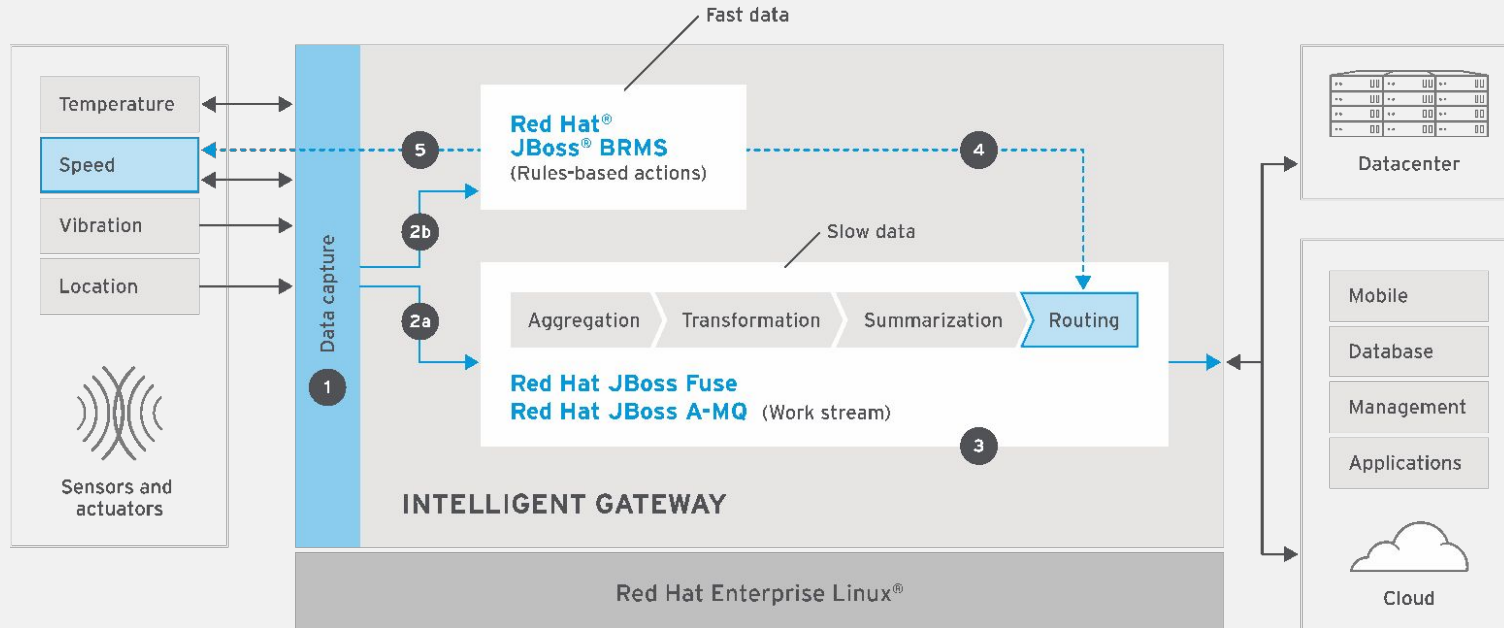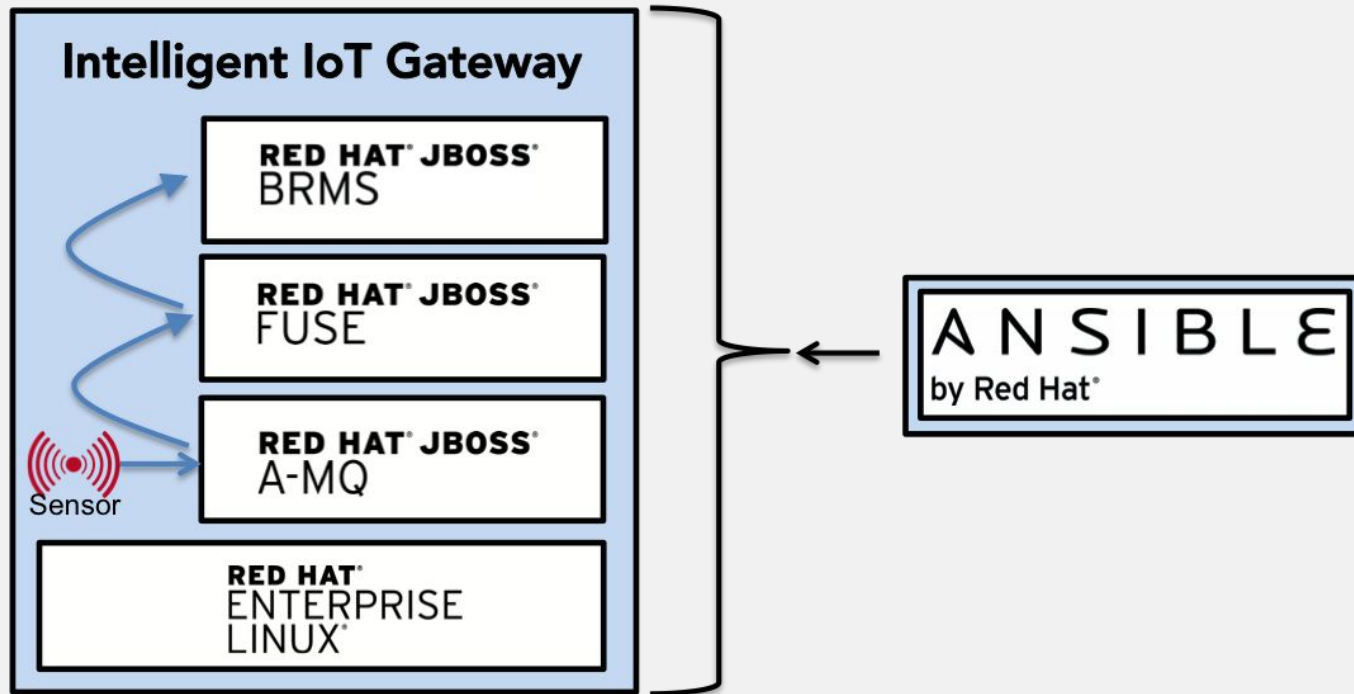areas such as loading zones,
residential parking

Source: Deutsche Telekom
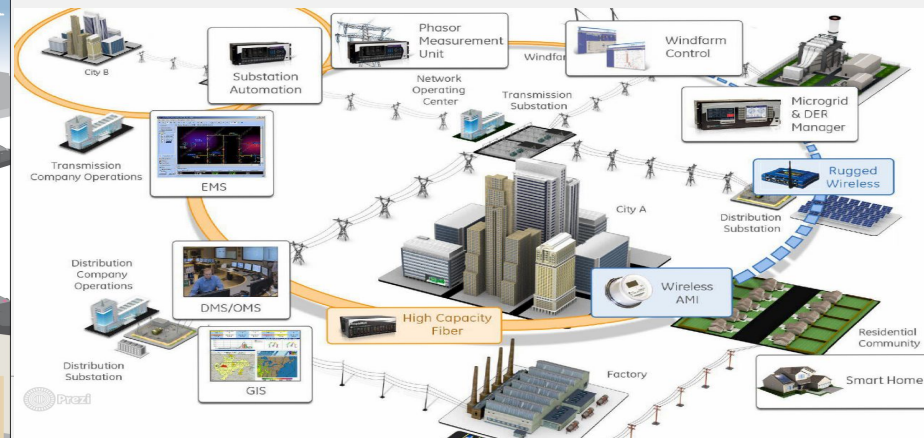
Intelligent IoT Gateway

Transforming device data into actionable information

Lab Walkthrough

Key Components

Lab Workflow

Lab 1

Start JBOSS Fuse

Lab 2

Build Sensor App

Lab 3

Build and Deploy Camel Route

Lab 4

Create & Deploy Business Rules

Lab 5

Update Business Rules
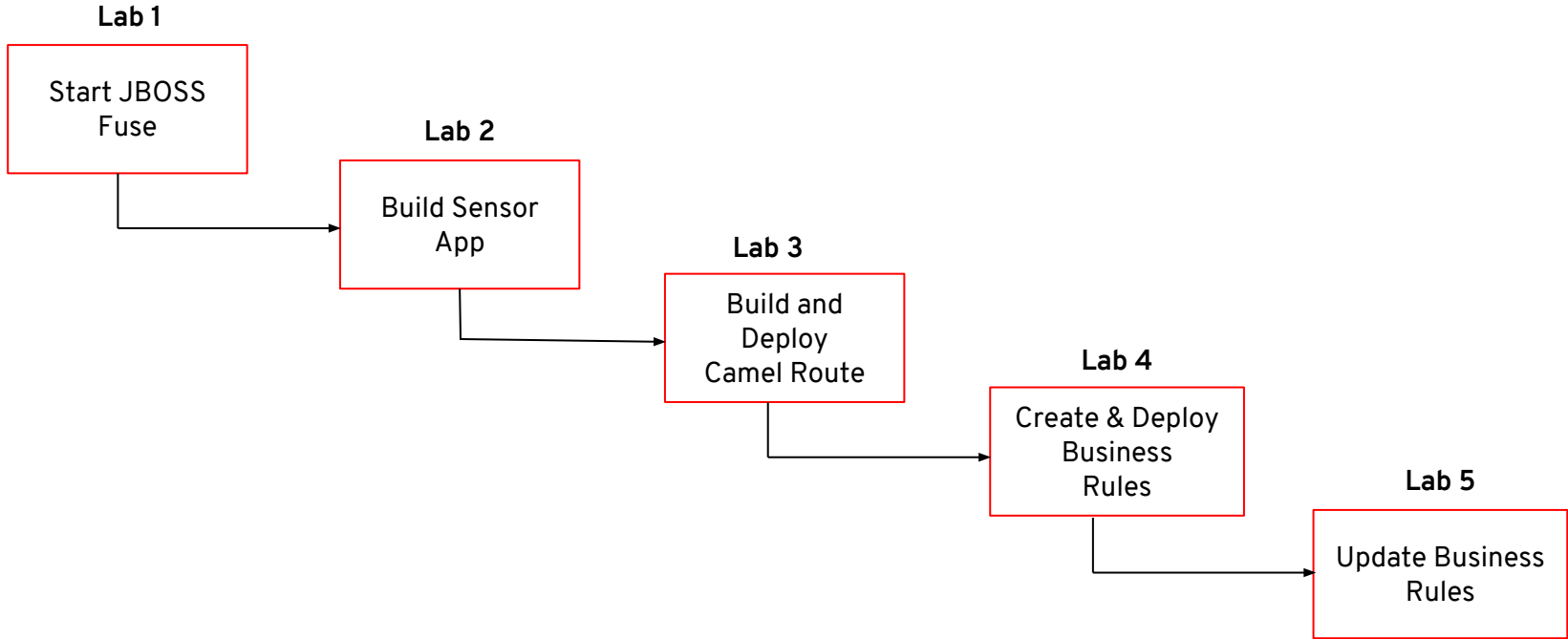
Resources

Additional Resources

- Lab Exercises
  - This lab: https://github.com/PatrickSteiner/IoT_Summit_Lab
  - Building Sensors: https://github.com/PatrickSteiner/IoT_Sensor_Labs
- End-to-End IoT Demo Setup
  - https://github.com/PatrickSteiner/IoT_Demo_AllInOne
- IoT Intelligent Gateway Demo Setup
  - Docker based: https://github.com/PatrickSteiner/IoT_Demo_Gateway
  - OpenShift based: https://github.com/PatrickSteiner/IoT_Demo_Openshift
- IoT Datacenter Demo Setup
  - https://github.com/PatrickSteiner/IoT_Demo_Datacenter

Don't forget to submit the survey!

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