Lab 4322
Experience the Next-Generation IoT Platform
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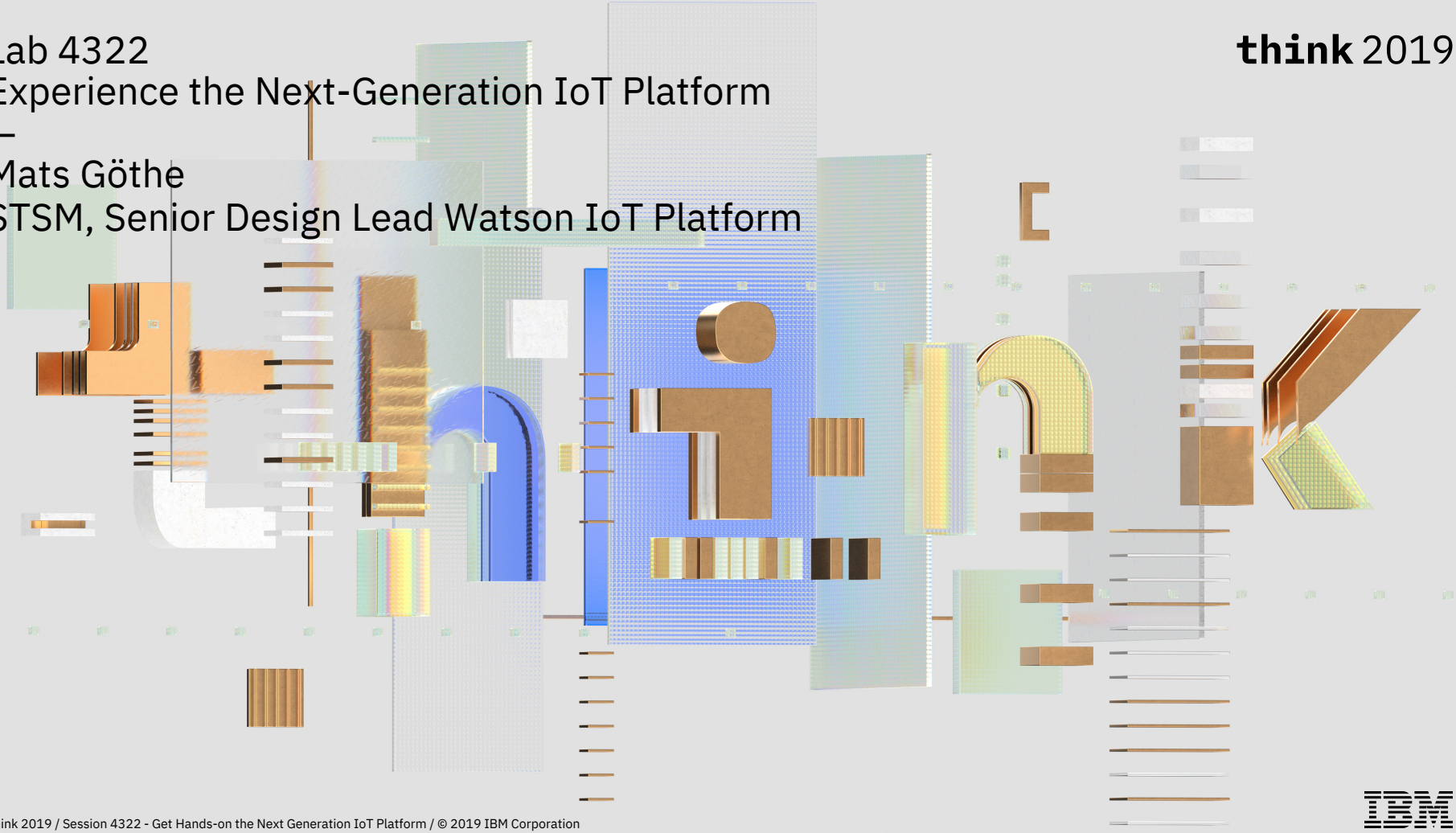
Mats Göthe
STSM, Senior Design Lead Watson IoT Platform



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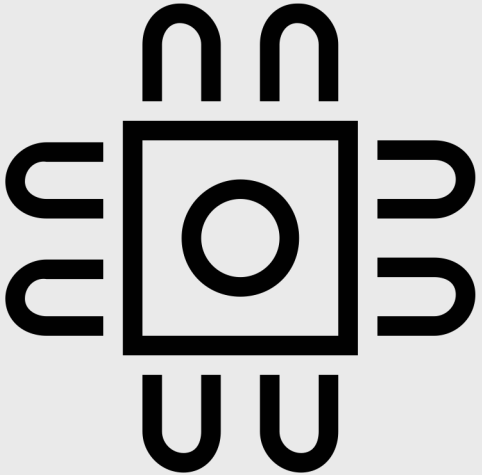
Welcome to this lab

In this hands-on lab you will learn how to get started with the next generation Watson IoT Platform to quickly and take advantage of the market leading platform for Industrial IoT.

In this hands-on lab you will learn about the capabilities in Watson IoT Platform and how to connect devices, create device abstractions and transformations. You will also explore and analyze the device data using the IoT Platform Analytics Service to compute data metrics and statistical KPIs.

As a lab attendee, you will also review the user experience in working with the Watson IoT Platform.



Watson IoT Platform serves as a foundational capability for our industry solutions and business use cases

IoT Industry Solutions
Targeted solutions for Industrial Sectors

Asset Performance Management	Energy Insights	Production Quality Insights	Production Optimization	Worker Insights	Building Insights	Connected Vehicle Insights	Watson Assistant Solutions

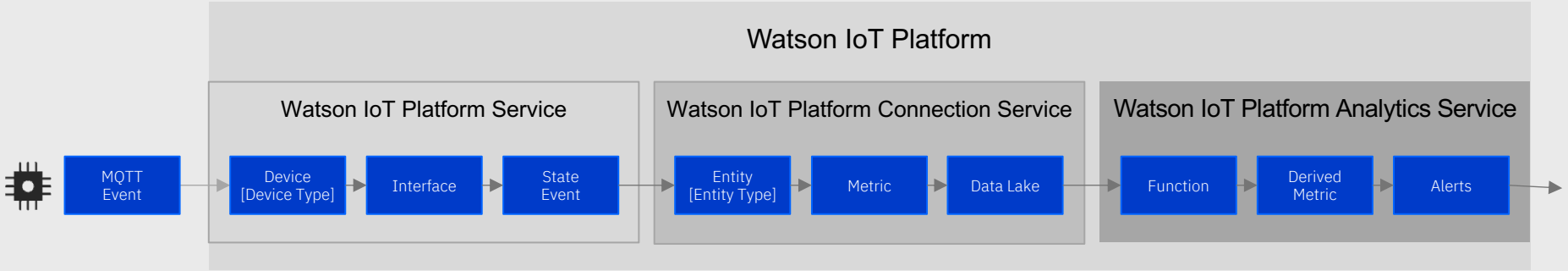
Watson IoT Platform
Integrated managed service with SLAs and Unified per device pricing

Watson IoT Platform

Connection Service	Analytics Service	Blockchain Service

IoT Data Ingest, Processing and Analytics

In this lab we will explore the data connection, ingest transformation and analytics pipeline for IoT data



In the first section we will explore the connected devices and the MQTT events with IoT data sent to the IoT platform

In the second section we will explore the data lake of historical data ingested from the connected devices the behavior of the IoT data

In the third section we will explore the analytics functions that run on the data and the insights we generate form the IoT data

Yanzi Devices (https://yanzi.se)

Yanzi Presence

Yanzi Presence detects motion and monitors the temperature

Yanzi Motion+

Yanzi Motion+ sensor for monitoring motion as well as temperature, humidity, ambient light, and sampled ambient noise

Yanzi Comfort

Yanzi Comfort monitors air quality by measuring levels of carbon dioxide (CO_2) and volatile organic compounds, as well as temperature, humidity, and barometric pressure and ambient noise

Watson IoT Center Munich
27th Floor with IoT Instrumentation

Yanzi Motion

Yanzi Motion+

Yanzi Comfort

Meeting room ”Floor 27. Zone 3”

Photo by Hassi Norlen
Information Development Lead
Watson IoT Platform

Getting started

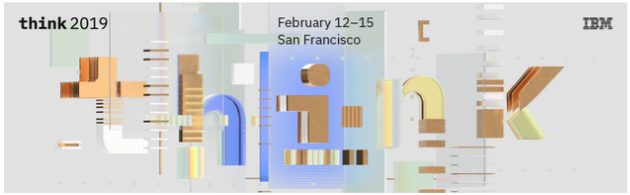
You will use the web browser running on your local workstation

Get started

The Lab handbook guides you on the steps you will perform to complete this lab

http://ibm.biz/thinkiotplatform-lab

- Introduction – 15 min
- Section 1 - Exploring devices and event data in IoTP Service – 30 min
- Section 2 - Exploring entities and time-series data in IoT-CS – 30 min
- Section 3 - Exploring analytics and functions in IoT-AS – 30 min
- Conclusions – 15 min



Lab Center – Hands-on Lab

Session 4322

Get Hands-on the Next Generation IoT Platform

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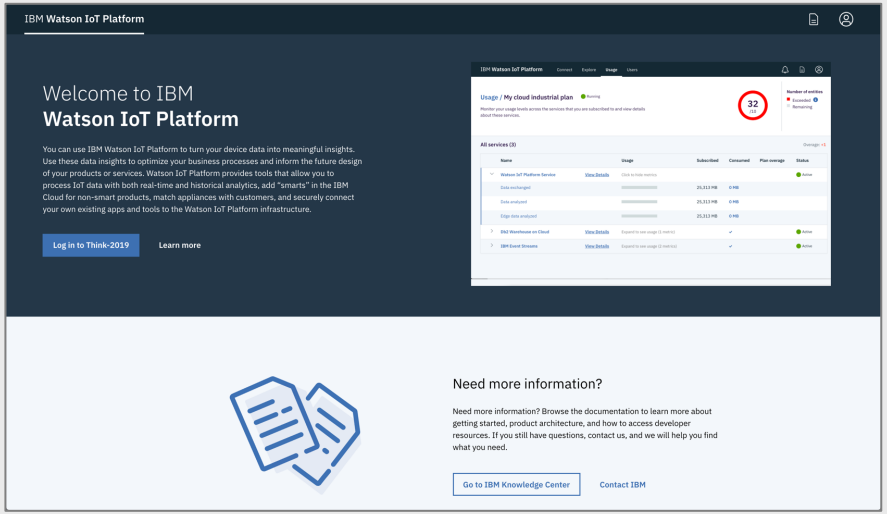
Getting started

You will be logging into the Watson IoT Platform

http://ibm.biz/thinkiotplatform

Username: “thinkiot@mail.com”

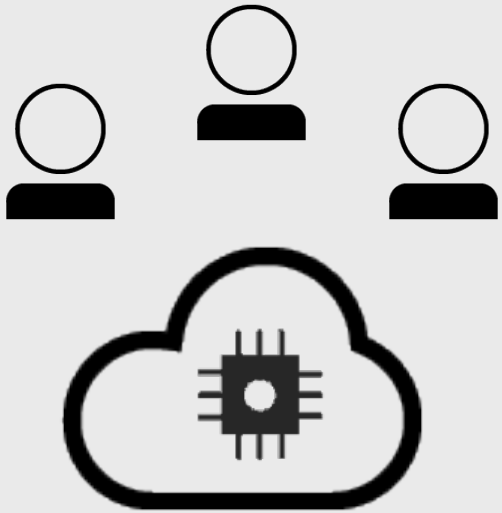


Getting started

In this lab you will work individually.

All attendees in this lab will work in a shared Watson IoT Platform

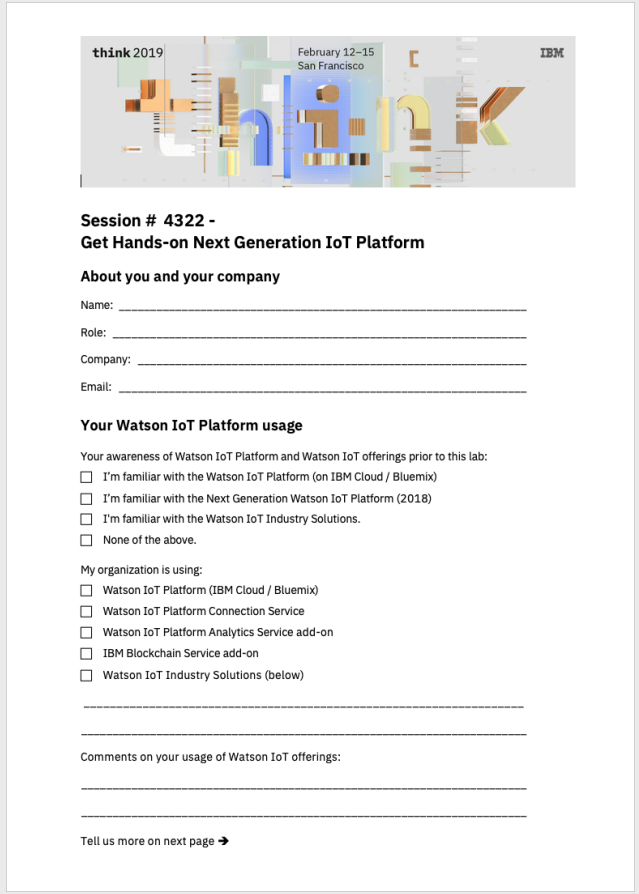
Be careful not to remove resources or change configurations



Provide your feedback

Watson IoT Platform Team welcomes your feedback on the usability of Watson IoT Edge solution

Help us by providing your feedback, advises and priorities on the lab survey



Download the lab material

Download the lab handbook from

- http://ibm.box.com/v/thinkiot
- http://ibm.biz/thinkiotplatform-lab

Learn more about Watson IoT Platform

Learn more about IBM’s point of view on the Internet of Things

- ibm.com/marketplace/internet-of-things-cloud

Try out our Internet of Things platform

- discover-iot.eu-gb.mybluemix.net

Join us in our IoT conversations

- @IBMIoT

Thank you

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