Hands-on Lab
Session 2334

Watson IoT Platform Risk and Security Management

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InterConnect 2017

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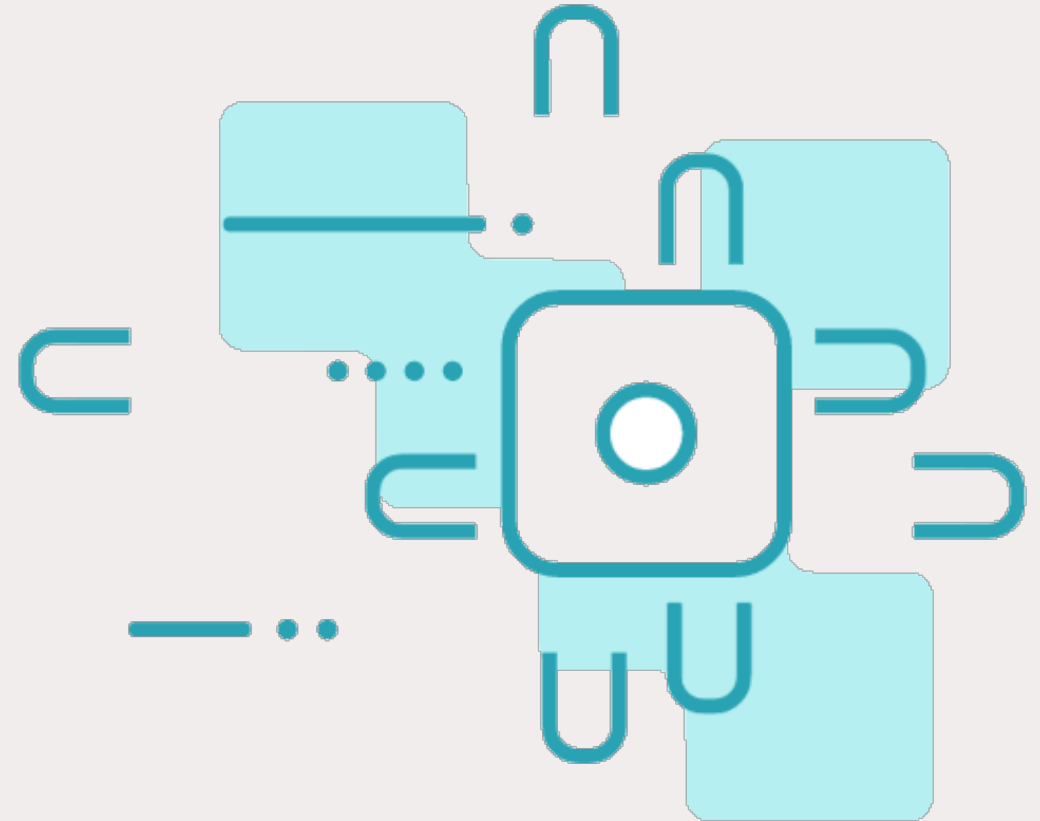
Welcome to this lab
Introductions

Mats Gothe
Senior Design Lead
IBM Watson IoT Platform Design
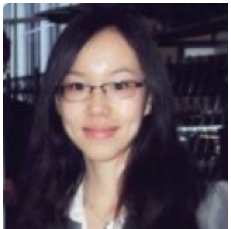
Cynthia Zhang
User Experience Designer
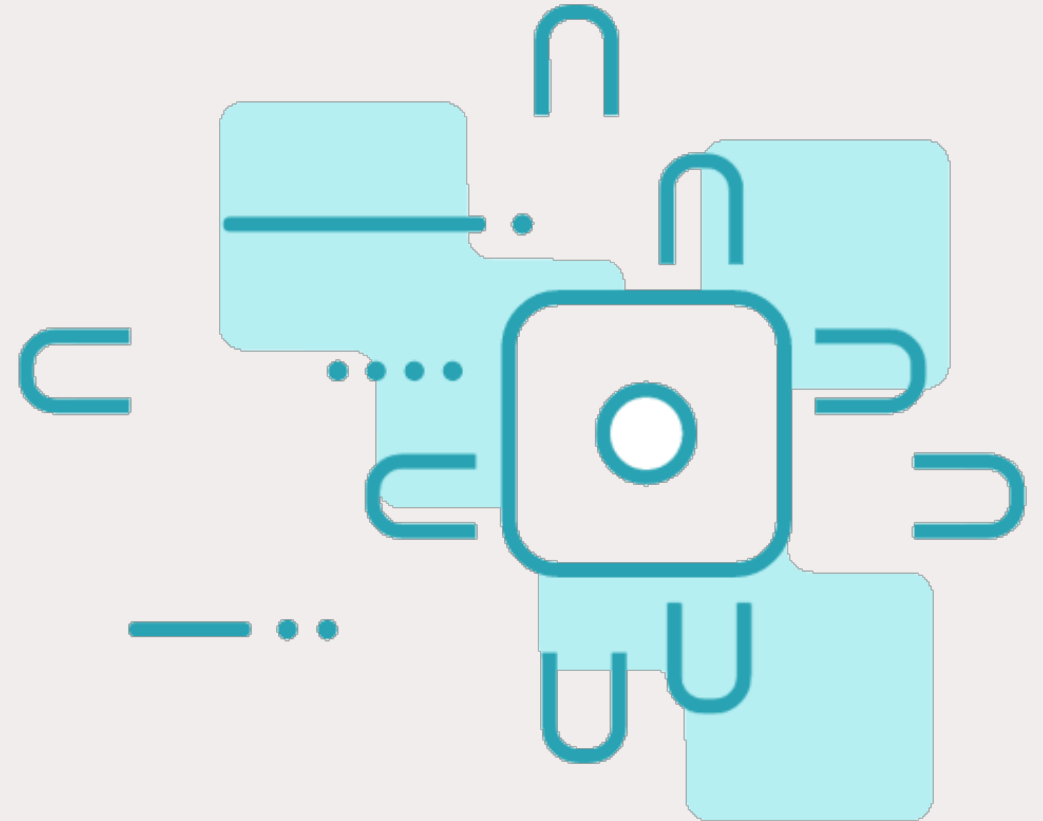IBM Watson IoT Platform Design

Welcome to this lab

Abstract

In lab you will explore the new Risk and Security Management capability in Watson Internet of Things platform.

You will get hands on experience on connecting devices, configuring client and server certificates, managing connection policies and tracking compliance to the configured security policies.

You will also review the Risk and Security Management user experience and provide your feedback on the usability of the design.
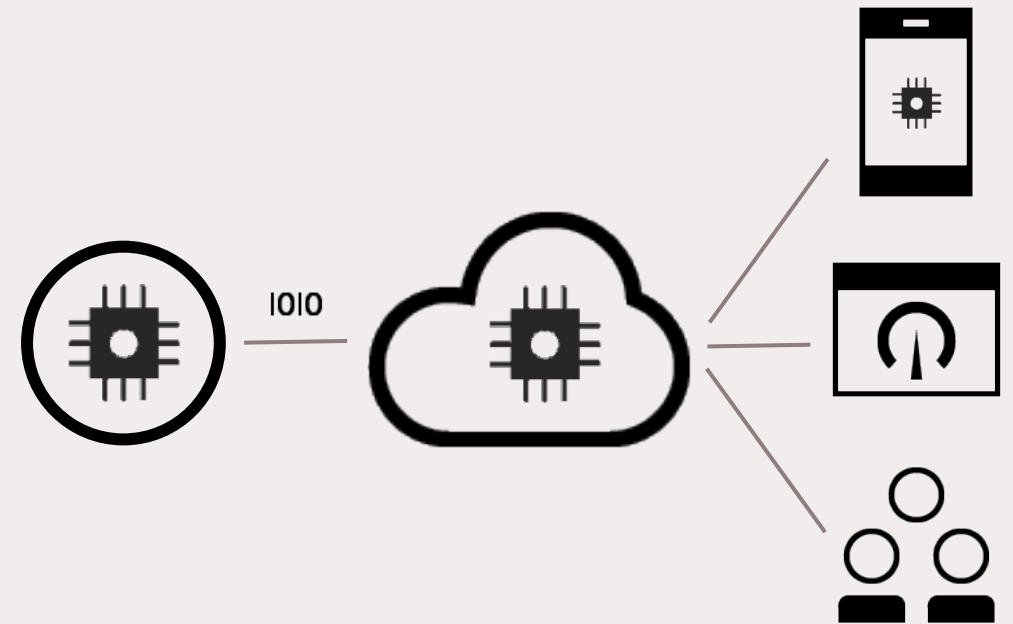
What is
Watson IoT Platform?

The IBM Watson Internet of Things Platform is a fully managed cloud-hosted service available in IBM Bluemix.

Devices connects and sends IoT data securely to the IBM Watson IoT Platform service using the MQTT messaging protocol.

From there, devices are managed using your online dashboard or secure APIs, so that IoT solutions and applications can access real-time device state and historical IoT data.

What is
Risk and Security Management?

IoT Platform Risk and Security Management to manage risk and gather insights across your entire IoT landscape using policies, dashboards, reports and alerts.

IoT Security Management provides **connection security policies** using client and server certificates and TLS authentication.

Risk and Security Management provides policies to **blacklist or whitelist devices** through IP addresses, ranges or geographies.

Risk and Security Management provides policies on **device health**

Risk and Security Management provides **drill-in reports** to act on detected risks and device anomalies.
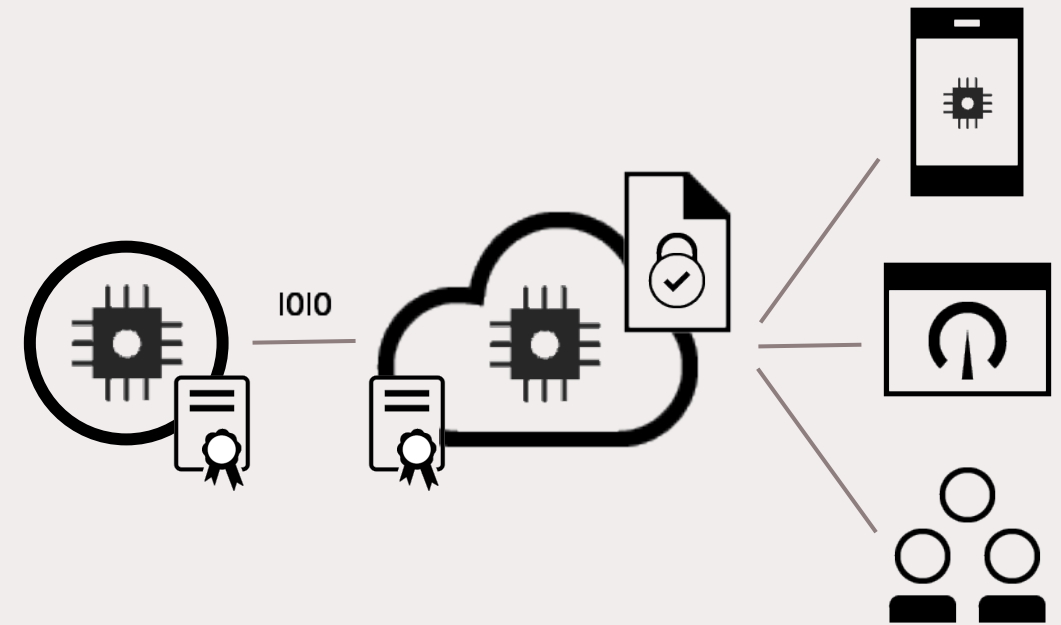
Getting started

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

- Overview of the Watson IoT Platform

- Configure the Connection Security Policy

- Apply Custom Connection Security

- Configure the Blacklist / Whitelist Policy

- Client Certificate Management

- Server Certificate Management

- Monitoring policy compliance

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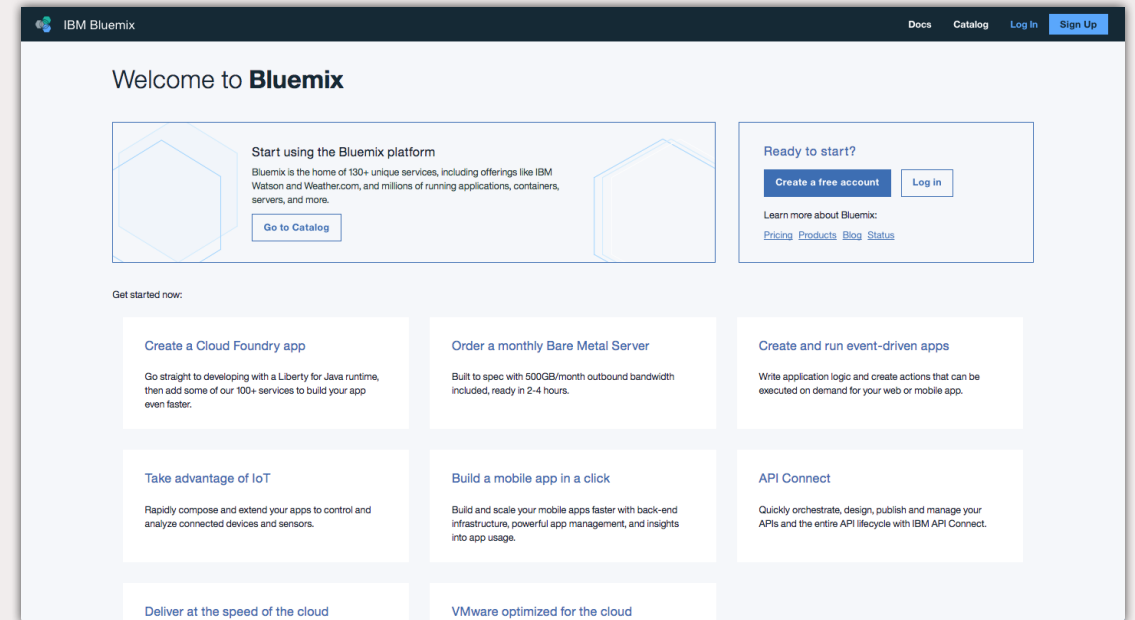IBM Watson IoT Platform Design

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You will work in a isolated IoT Organization and explore the Risk and Security functions on simulated devices connected into the IoT platform.

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Watson IoT Platform Risk and
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Your IoT Platform Organization:

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You will download certificates from a shared folder in Box
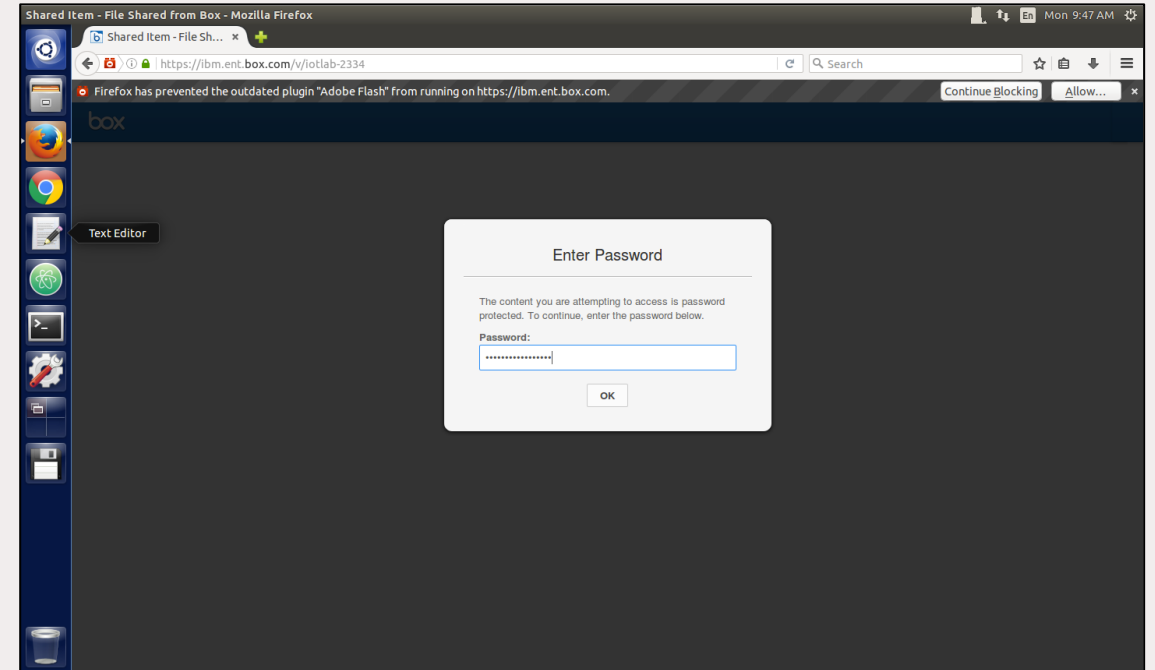
Provide your feedback

Watson IoT Platform Design Team welcomes your feedback on the usability of Watson IoT Platform Risk and Security Management capability

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

After this lab

There are much more to explore on the Watson IoT Platform after this lab!

Create your free Bluemix account and try IoT Platform and other cloud services.

Go to Bluemix.net to create your account

Learn more about
Watson IoT Platform

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

ibm.com/IoT

Try out our Internet of Things platform

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