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Hands-on Lab Session 5009
Watson IoT Platform Risk and Security Management

think 2018

—
Mats Gothe
Watson Content & IoT Platform



Welcome to this lab

In lab you will explore the 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, new experimental features and provide your feedback on the usability of the design

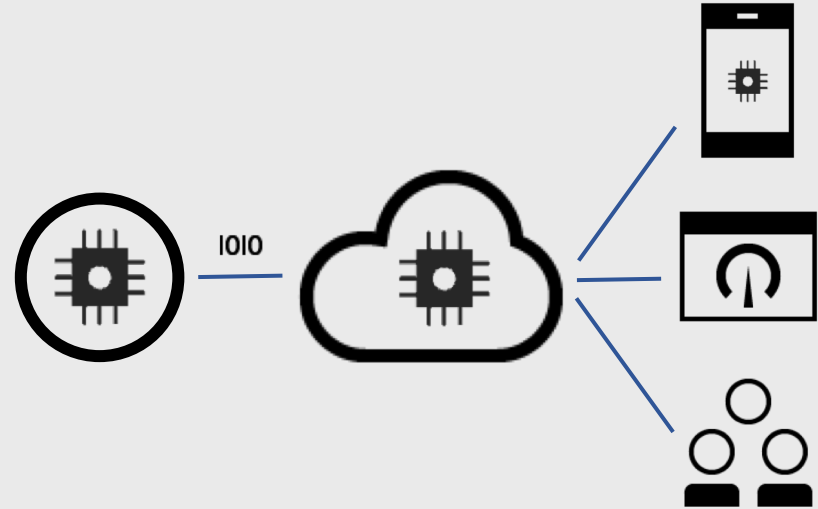


What is the Watson IoT Platform?

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

Devices connect and start sending data securely to the IBM Watson IoT Platform service using the light-weight standardized MQTT messaging protocol

From there, applications can access real-time device data, and devices can be managed using secure APIs or the IoT Platform dashboard



What is Risk and Security Management?

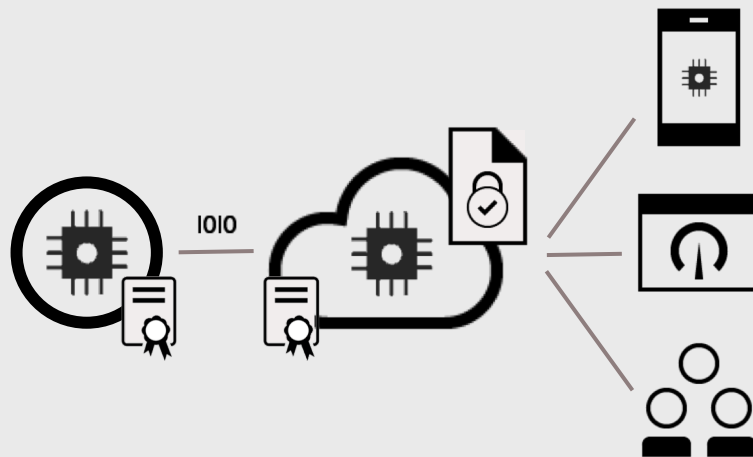
IoT Platform Risk and Security Management to manage risk and gather insights across your entire IoT landscape using policies, dashboards, reports and alerts.

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



Lab Center – Hands-on Lab

Session 5009

Watson IoT Platform Risk and Security Management

Mats Gothe
Senior Design Lead
Watson Content & IoT Platform
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Getting started

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

You will use a Firefox web browser running on your local workstation

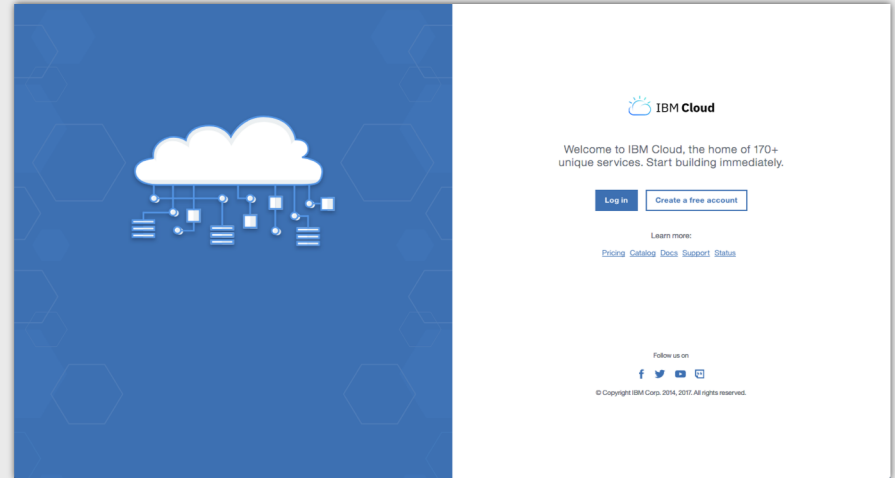


Getting started

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

You will use a web browser running on your local workstation

You will be logging into the IBM Bluemix cloud platform and the Watson IoT Platform service



<https://bluemix.net>

Username: -

Password: -

Getting started

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

You will use a web browser running on your local workstation

You will be logging into the IBM Bluemix cloud platform and the Watson IoT Platform service

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



Lab Center – Hands-on Lab

Session 5009

Watson IoT Platform Risk and Security Management

Your IoT Platform Organization id:

0n93h5

Getting started

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

You will use a web browser running on your local workstation

You will be logging into the IBM Bluemix cloud platform and the Watson IoT Platform service

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

You will download certificates from a shared folder in Box



<https://ibm.box.com/v/thinkiot>

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 IBM Cloud account and try Watson IoT Platform and other cloud services

Go to <https://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

- ibm.biz/try_iot
- bluemix.net

Join us in our IoT conversations

- [@IBMIoT](https://twitter.com/IBMIoT)



Thank you

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