



Starter Kit for the SAP HANA Cloud Platform Internet of Things (IoT) Services



HCP IoT Services Overview



Getting Started in HCP



Sending messages from the device (simulation)



Pushing messages to the device (simulation)





Integrated examples for IoT Devices



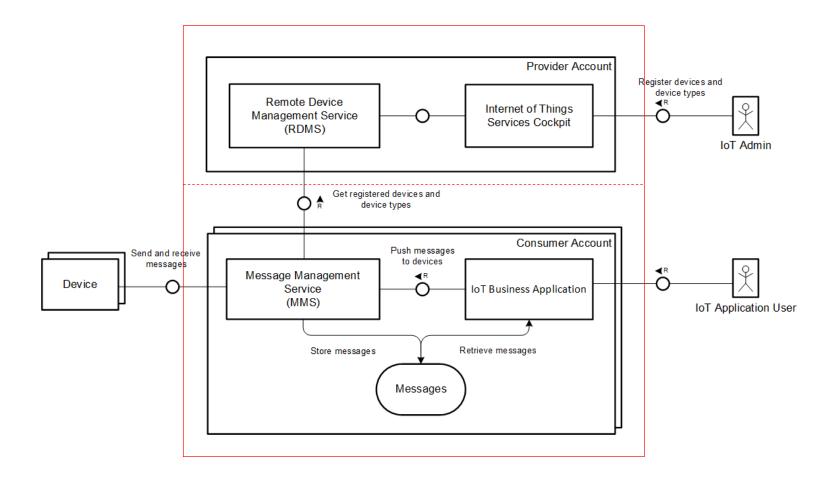
What comes next







HCP IoT Services Overview

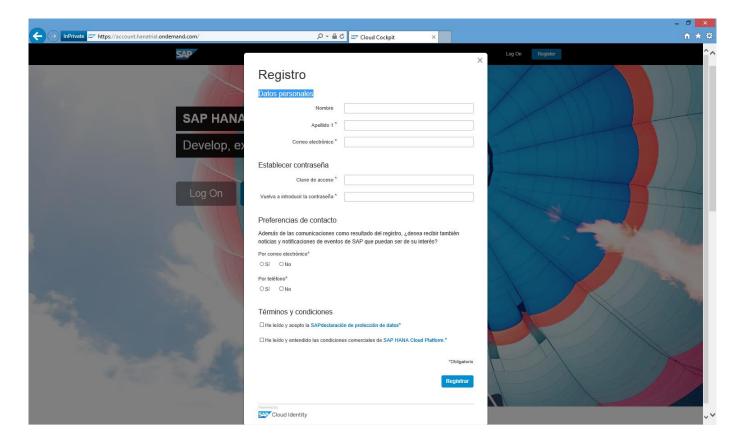






Getting Started in HCP

1. Get HANA Cloud Platform Developer Account -> https://account.hanatrial.ondemand.com



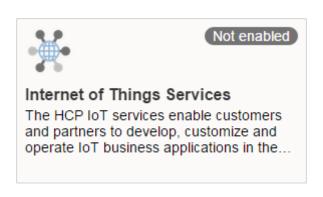


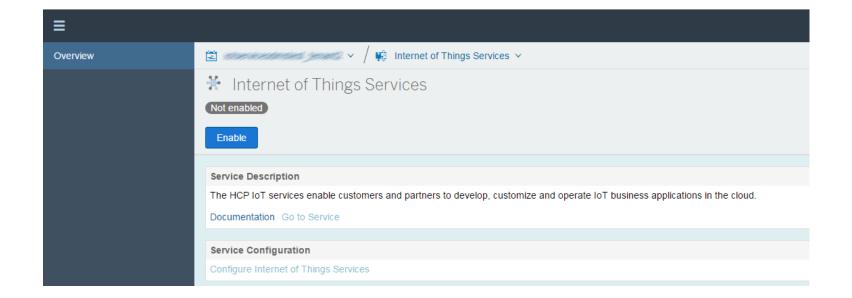




Getting Started in HCP

- Get HANA Cloud Platform Developer Account -> https://account.hanatrial.ondemand.com
- 2. Enable Internet of Things Services







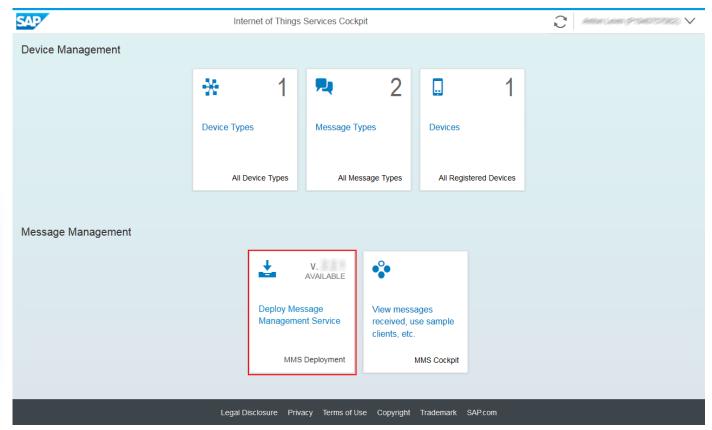




Getting Started in HCP

- 1. Get HANA Cloud Platform Developer Account -> https://account.hanatrial.ondemand.com
- 2. Enable Internet of Things Services
- 3. Deploy the Message Management Service (MMS)





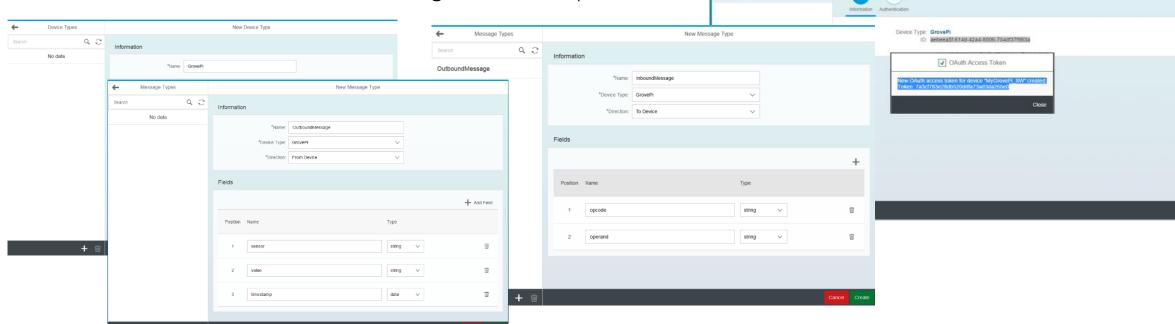






Getting Started in HCP

- 1. Get HANA Cloud Platform Developer Account -> https://account.hanatrial.ondemand.com
- 2. Enable Internet of Things Services
- 3. Deploy the Message Management Service (MMS)
- 4. Create Device Information in Internet of Things Services Cockpit



Search

MyGrovePi

MyGrovePi_SW

90

MyGrovePi SW

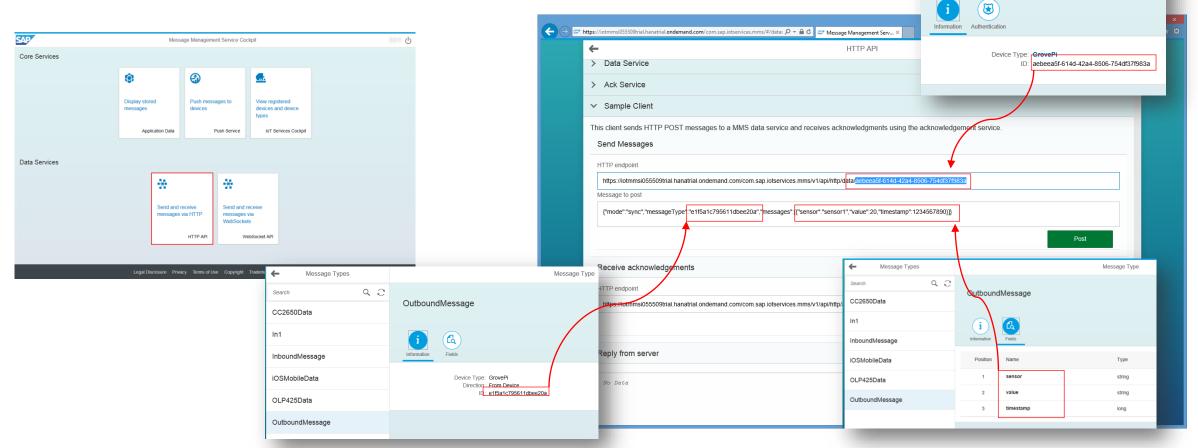


MyGrovePi SW



Sending messages from the device (simulation)

1. Send messages with MMS embedded sample client using HTTP API

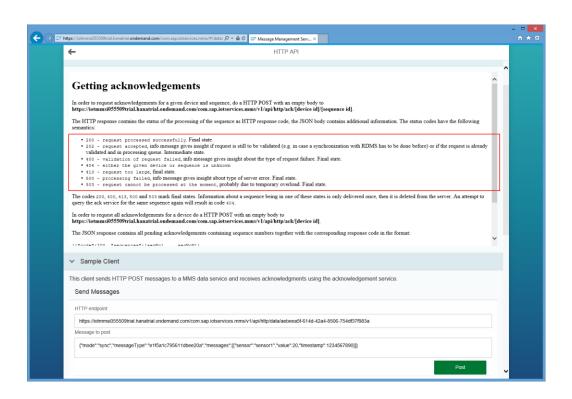


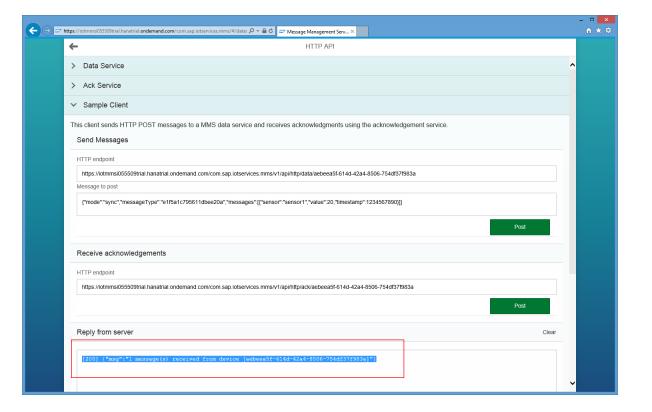




Sending messages from the device (simulation)

1. Send messages with MMS embedded sample client using HTTP API (result)





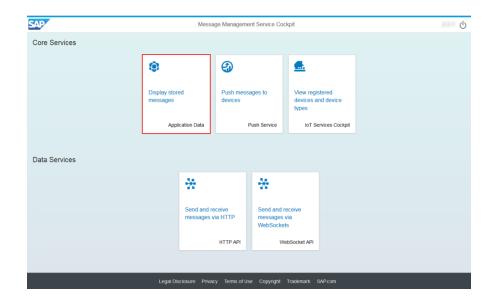


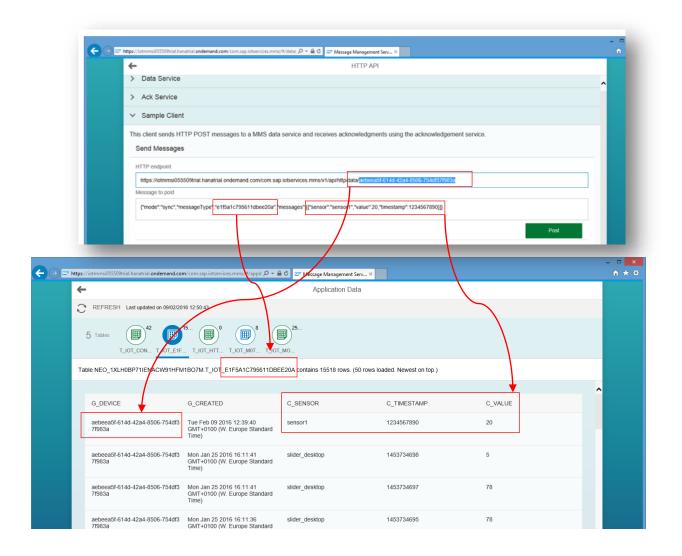




Sending messages from the device (simulation)

2. Consume the messages from the device with MMS embedded client





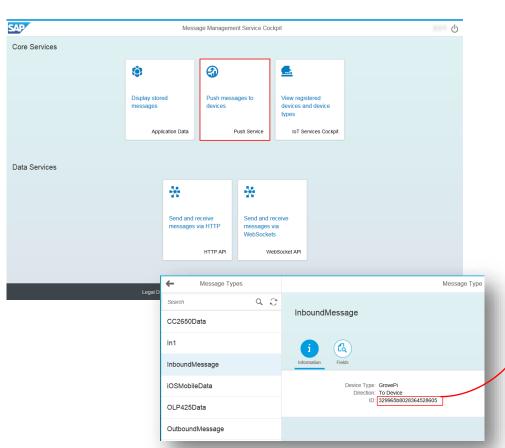


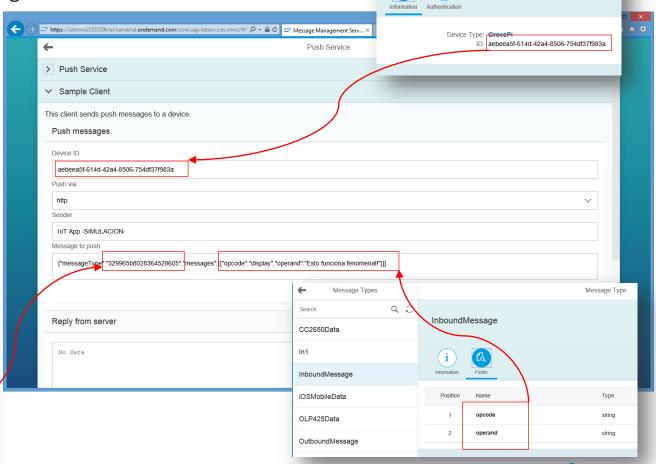




Pushing messages to the device (simulation)

1. Push messages with MMS embedded sample client using HTTP and WebSocket API





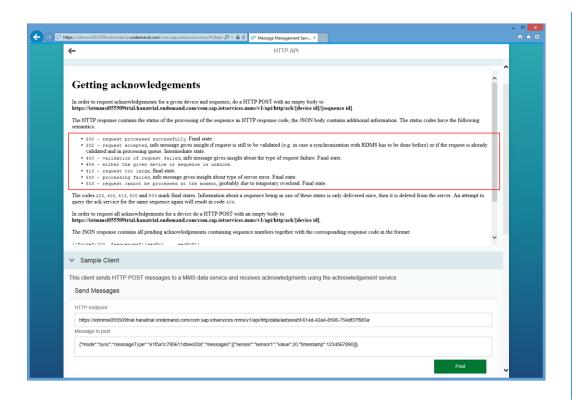
MyGrovePi_SW

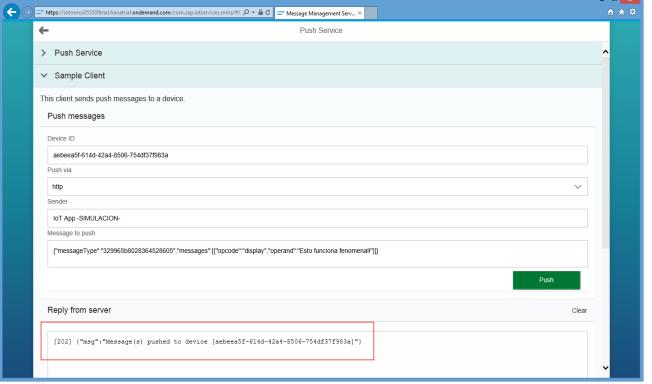




Pushing messages to the device (simulation)

1. Push messages with MMS embedded sample client using HTTP and WebSocket API (result)





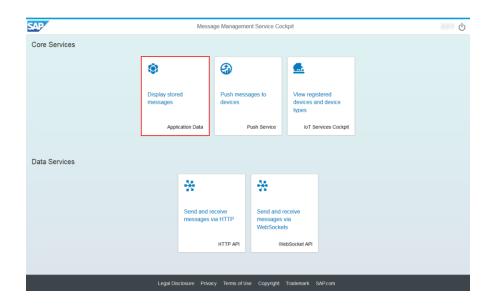


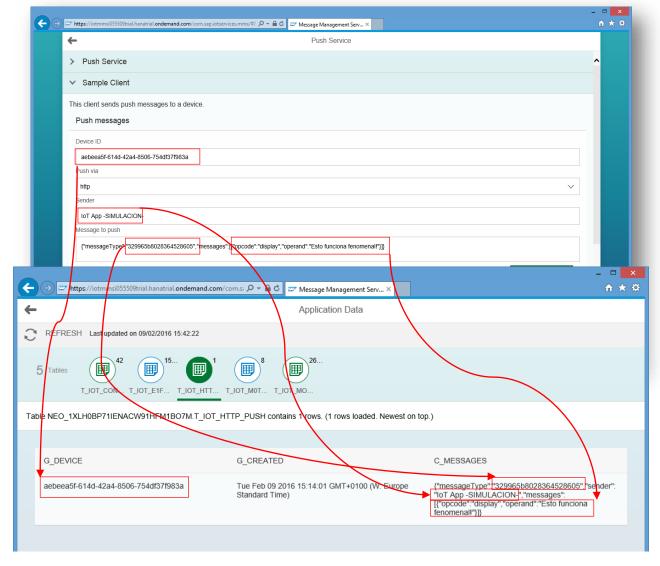




Pushing messages to the device (simulation)

2. Receive the messages sent to the device with MMS embedded client





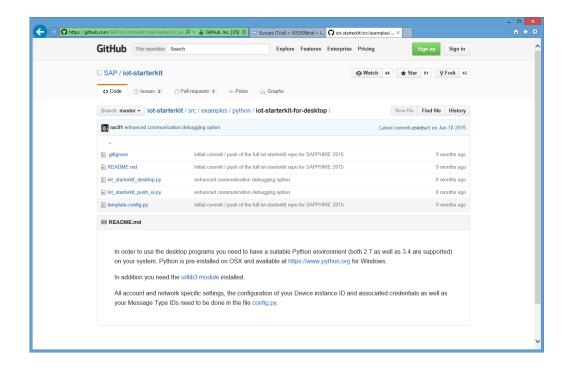


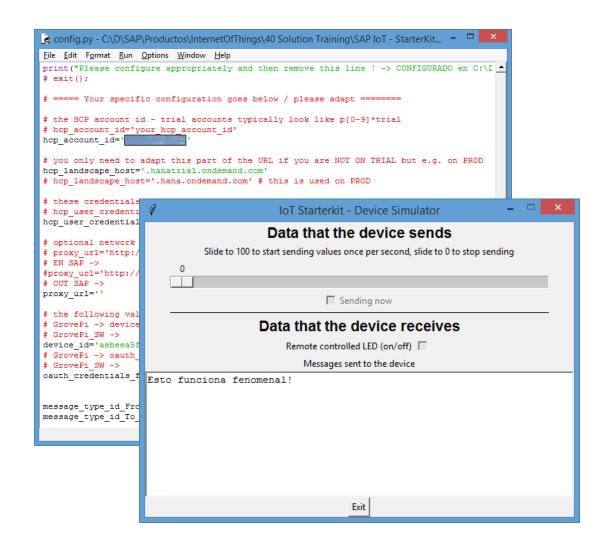




Integrated examples for IoT Devices

Working with device simulators (python)





https://github.com/SAP/iot-starterkit/tree/master/src/examples/python/iot-starterkit-for-desktop

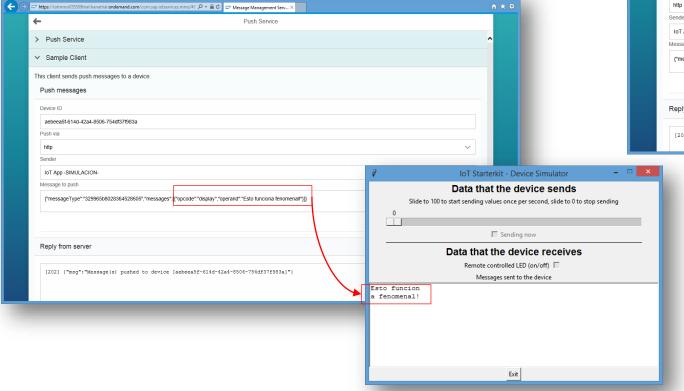


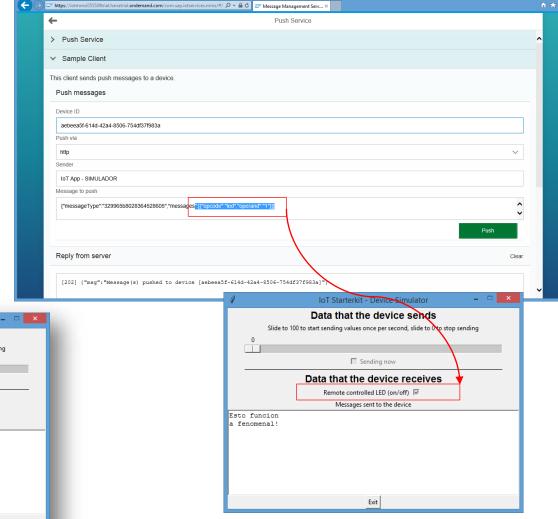




Integrated examples for IoT Devices

2. Receive the messages sent to the device with device simulator (python)



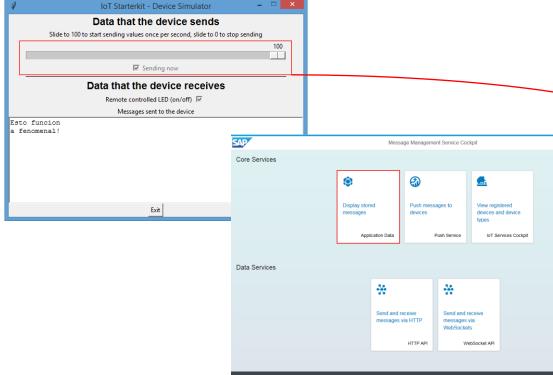


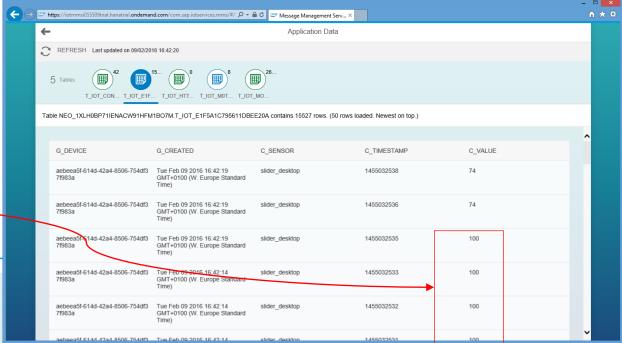




Integrated examples for IoT Devices

3. Consume the messages from the device simulator (python) with MMS embedded client





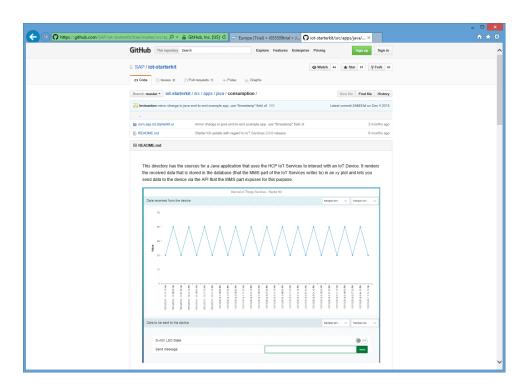


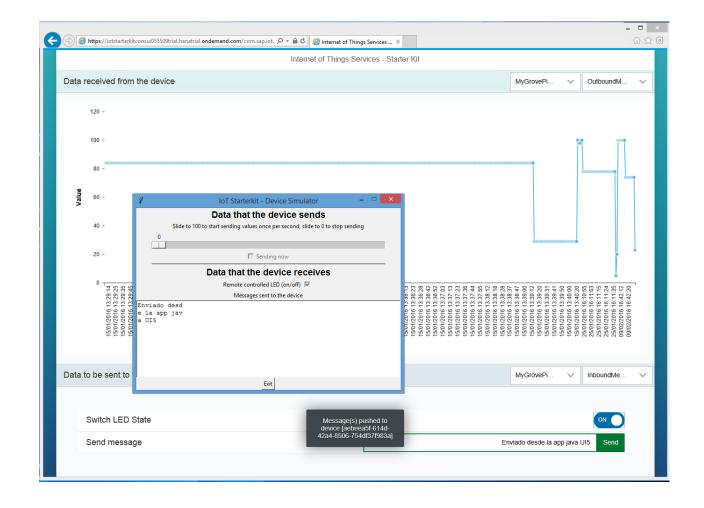




Integrated examples for IoT Devices

4. Interact with Web Application based on Java and UI5 using HCP Persistence Service





https://github.com/SAP/iot-starterkit/tree/master/src/apps/java/consumption

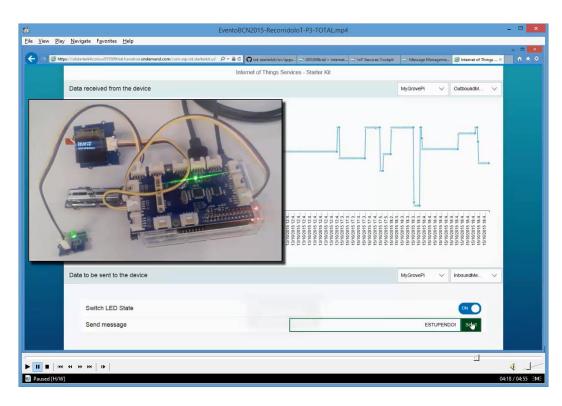






Integrated examples for IoT Devices

5. Working with real IoT hardware



Estamos en el área SAP – Booth 1 – escenarios HCP



https://github.com/SAP/iot-starterkit/blob/master/src/hardware/raspberry-pi/README.md





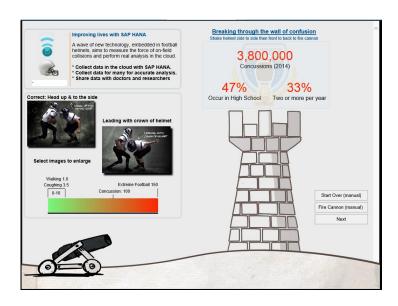


What comes next?

- 1. Try out the SAP HANA Cloud Platform Internet of Things (IoT) services (http://scn.sap.com/docs/DOC-63811)
- 2. Using the SAP HCP IoT Services (http://scn.sap.com/community/developer-center/cloud-platform/blog/2015/06/09/using-the-sap-hcp-iot-services)
- 3. RaspberryPi on SAP HANA Cloud Platform (http://scn.sap.com/docs/DOC-56616)
- 4. From zero to Smart Building IoT SAP InnoJam story (http://scn.sap.com/community/developer-center/cloud-platform/blog/2015/08/03/from-zero-to-smart-building-iot-sap-innojam-story)











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Pushing messages to the device (simulation)





Integrated examples for IoT Devices



What comes next





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