Harbinger Systems

IoT Cloud Platforms and Middleware for Rapid Application Development

Question and Answers

Q: I am looking for asset monitoring within a factory premise, which platform would be apt for my use-case?

Industrial automation and Smart Factory have been in demand long before IoT was hyped and we have personally seen many proprietary platforms being used in such cases. We would definitely suggest you to check if your requirements could be satisfied by off-the-shelf proprietary platforms – one example is Smart Factory solution from PlantConnect http://plantconnect.net/

However, if you need to choose from among the established brands we would suggest you to look the IoT platform from companies like PTC, IBM, and Cisco.

Q: Could you please show us how simple or easy it is to add event or trigger within an IoT platform?

We have showed this through a screen-sharing video in the webinar itself. Kindly refer to the following link - http://www.harbinger-systems.com/resources/webinar/IoT-cloud-platforms-and-middleware-for-rapid-application-development

Q: Are there any even simpler or minimalistic IoT middleware catering to Amazon Dash button kind of use case for an e-commerce company?

Particle.io (https://www.particle.io/) comes to our mind for such use-case since they have the hardware (internet-button) along with a IoT platform that is apt for e-commerce company use-case.

In case you are looking for simple options that need not be integrated within ecommerce ecosystem - simple messaging and alerts using platform like http://dweet.io/ might also be satisfactory.

Q: If our clients are not interested to push data from devices to third-party cloud but are OK to send data to our servers on Rackspace or Amazon instance that we own and control, what would be good platform for us to explore?

Kaa Platform (http://kaaproject.org) and Amazon IoT (https://aws.amazon.com/iot/) are two good options in such a situation.

Q. Could you please share more use-cases on the conference room booking application that was shown during the webinar?

In the video demo that we demonstrated for conference room booking – we showcased a use-case in which a pre-booked conference room is canceled if there is nobody is actually using it at schedule meeting time. Similarly there are few more use-cases

- If a user books a room for an hour and uses it for 30 minutes. The second-half time of schedule meeting would be made available in real-time – thus increasing the efficiency of conference room usage.
- Additionally, a user can just walk-into a conference room that has LED display status OFF condition (denotes conference room is available) and quickly book a room for 30 minutes with a click of push-button.

Q. Are there any SDKs for devices that are HomeKit compliant?

We have experience with one SDK that is HomeKit compliant and it is based on EZ-Connect platform from Marvell. http://www.marvell.com/microcontrollers/software/homekit/

There would be similar SDKs from other semiconductor companies especially those that are aggressive in connected-home market.

Q. Have you had any home automation use case? Which platform is better?

Yes, home automation is a growing market and many of the use-cases are revolving around the smart thermostat that are either Nest compatible or more proprietary. Brillo (https://developers.google.com/brillo/) makes complete sense to look into if the devices used are within Nest or Google eco-systems.

However, do note for simple home automation use-cases where you need to just trigger one device event to another device – definitely platform like Carriots, Temboo might be good enough.

Q. Will you post the recording or presentation slides of this webinar?

Yes, you can view the recording and presentation slides of the webinar by visiting this link: http://www.harbinger-systems.com/resources/webinar/IoT-cloud-platforms-and-middleware-for-rapid-application-development

If you have any further questions or would like more details about the webinar and our services or would like to get notified about our next webinar, please let us know at: hsinfo@harbingergroup.com

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