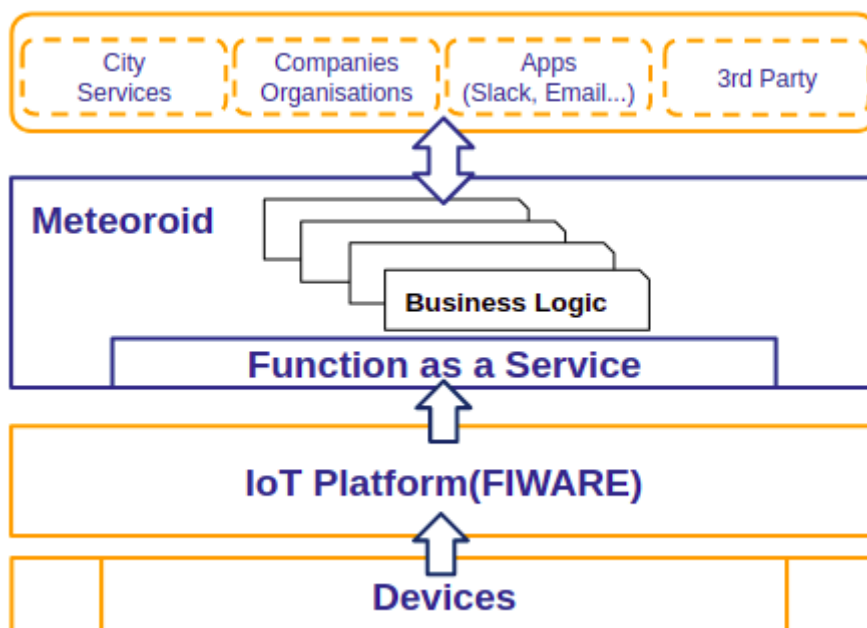


Realizing FaaS integration with open source IoT platforms

Okinawa Open Laboratory, General Incorporated Association (Chairman: Yukio Ito, 4-19-3, Jitchaku, Urasoe City, Okinawa, Japan) has released an open source software called "Meteoroid" which was developed as a new feature to provide various applications using FaaS (Function as a Service) on FIWARE to improve the convenience of FIWARE, an open source IoT platform.

In general, developers need Server, OS and Middleware to run applications and dealing with such infrastructure technology can be a barrier for application developers. To address this issue, we designed an architecture that integrates FIWARE with the application runnable infrastructure as a FaaS, seamlessly managing FIWARE and FaaS enabling applications to run on FIWARE.

"Meteoroid" provides a FaaS platform that runs business logic written in Python, Java, etc., triggered by events notified from FIWARE. By using "Meteoroid", application developers can develop and execute an event driven business logic triggered by data variation in IoT devices without considering servers or OS.



Therefore, application developers can focus on developing the features they need for their business.

The "Meteoroid" developed this time has been released on GitHub as open source. And the technologies developed through this research were presented at Okinawa Open Days 2019 held in December 2019 with some demonstrations. The related documents are available to the public.

We can introduce activities and achievements. Please contact us for more information.

Information about Meteoroid

Document <https://fiware-meteoroid.readthedocs.io/en/latest/>

Source code <https://github.com/OkinawaOpenLaboratory/fiware-meteoroid>

Okinawa Open Days 2019 Documents

<https://www.slideshare.net/okinawaopenlabs/iotfiwarefaasmeteoroid>

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