



FIWARE auf einer ‚Platform as a service‘ schnell (live) in Betrieb nehmen

Building a Red Hat powered Fiware architecture

David Hanacek

Senior Solution Architect

Franz Theisen

Manager Tech Sales

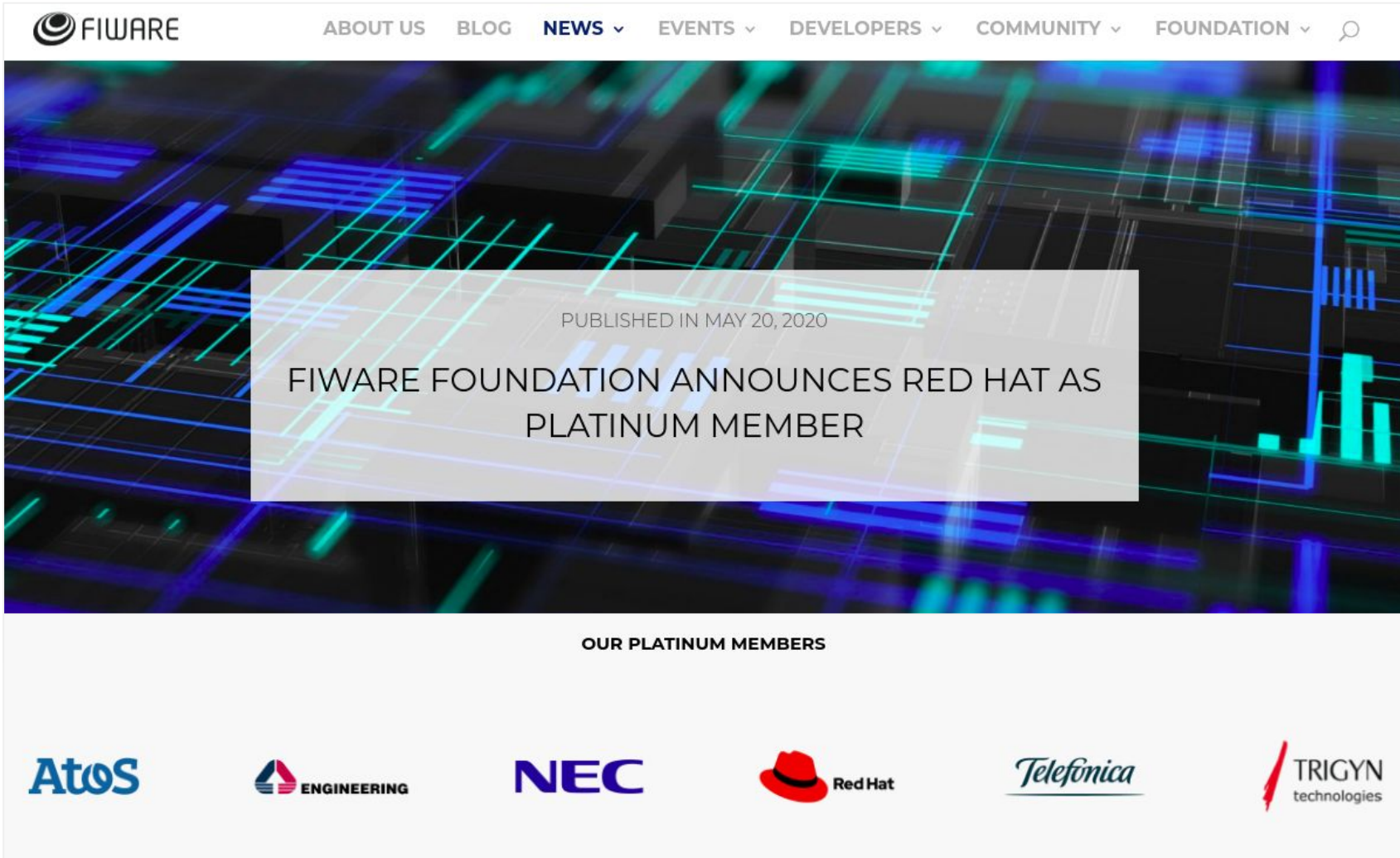
FIWARE auf einer ‚Platform as a service‘ schnell (live) in Betrieb nehmen

Open Source
FIWARE mit Red
Hat als Platinum
Mitglied

Red Hat &
FIWARE live
demo

Optional: Red Hat
& Open Source

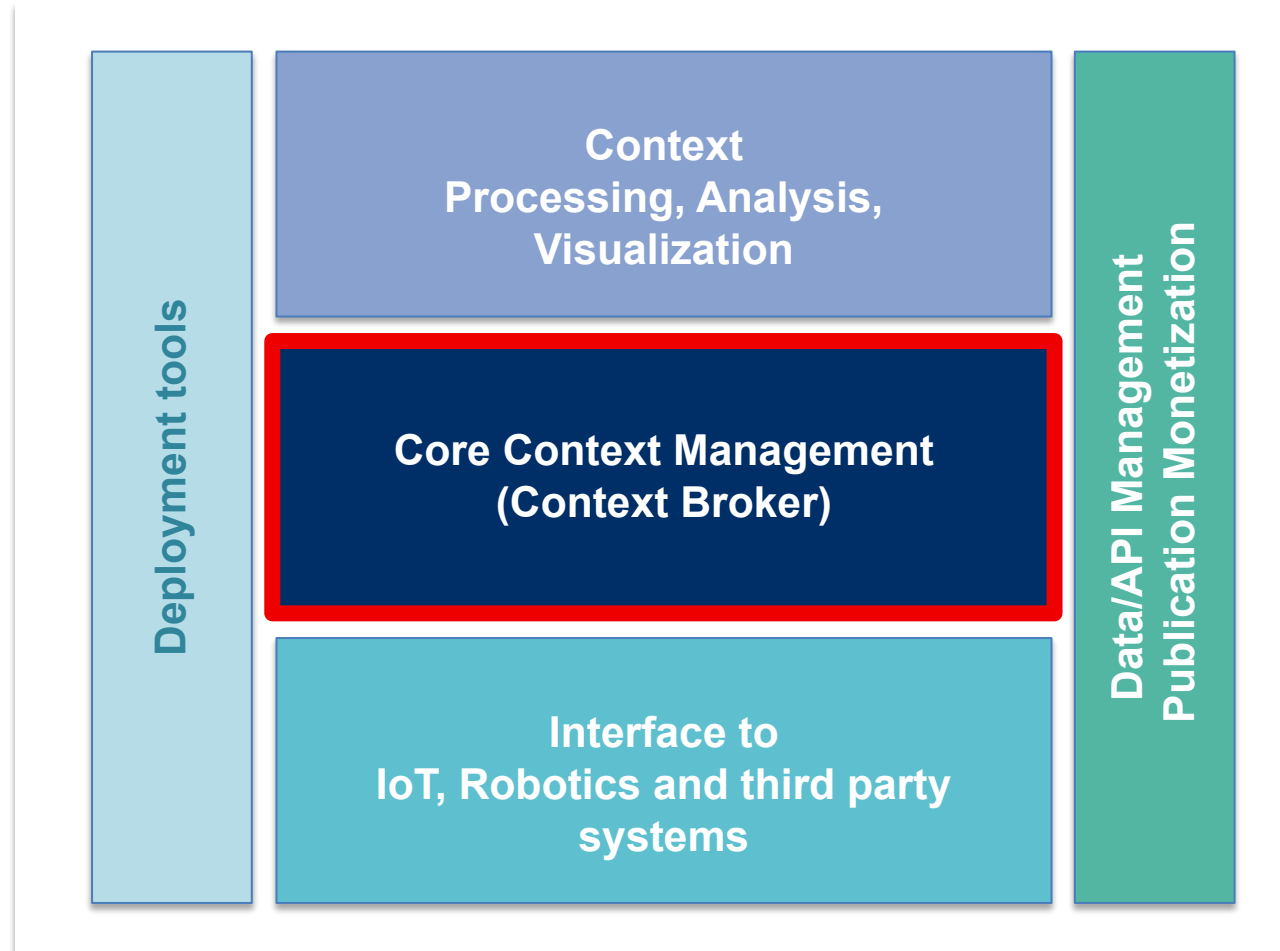
Open Source FIWARE mit Red Hat als Platinum Mitglied



A Fiware platinum member

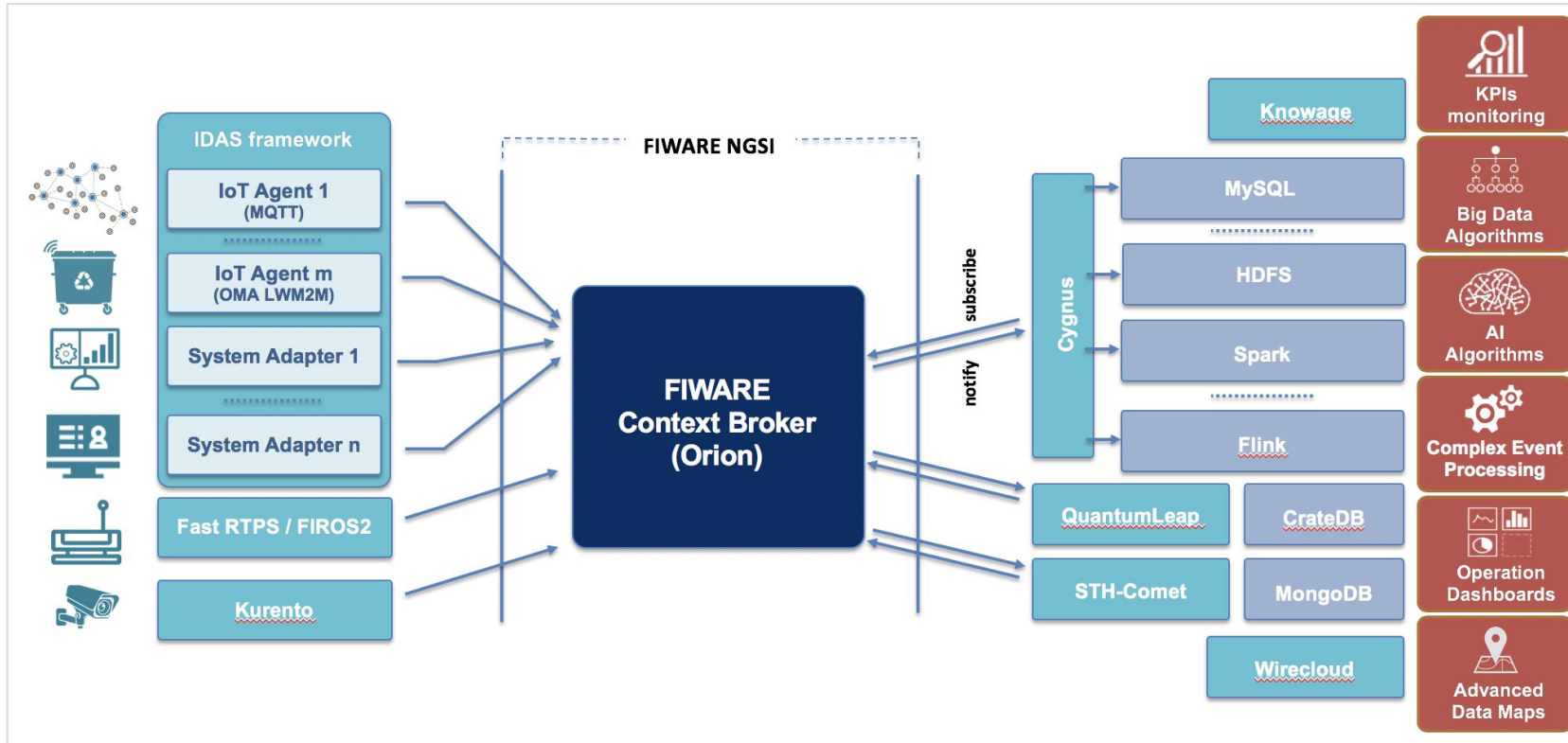
Red Hat is a platinum member of Fiware. We sit on the board of directors and also the technical steering committee. This allows us to reach other fiware members to partner and expand our ecosystem.

TECHNOLOGY AND ARCHITECTURE



High level requirements

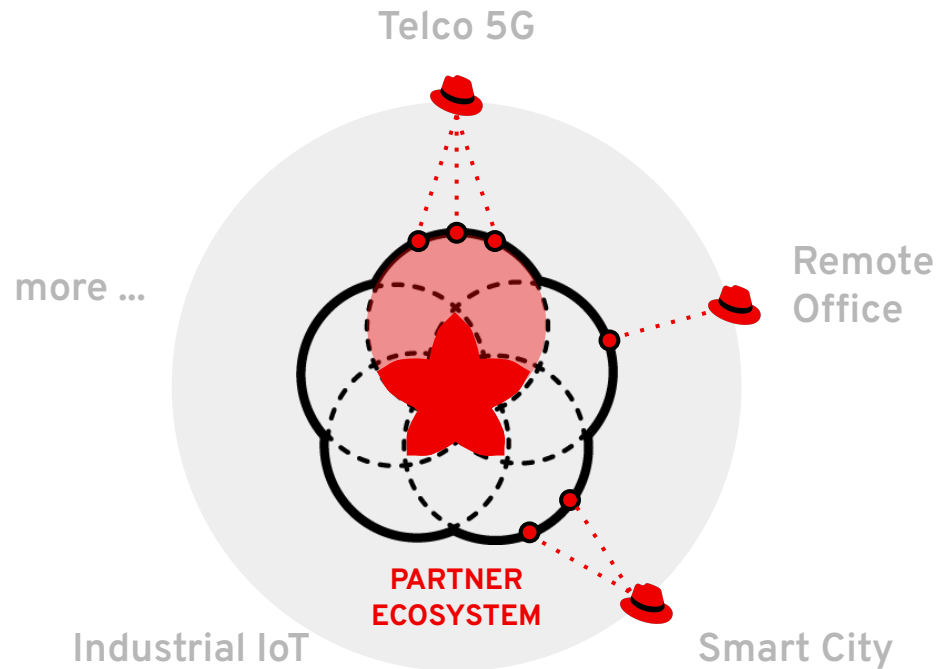
- FIWARE components can be assembled together and with other 3rd-party platform components to accelerate the development of Smart Solutions
- The core and only mandatory component of any “Powered by FIWARE” platform or solution is the FIWARE Orion Context Broker



Example Fiware Architecture

A fiware architecture is a collection of technologies where the context broker is mandatory, but to support the solution you need multiple technologies, not only in your datacenter.

Common requirements – is it so?



Rapid Iterative development

Integration

Small footprint

Scale

Security (physical, SW)

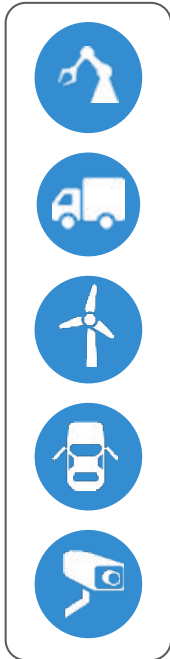
Distributed storage

Middleware enablement (IoT)

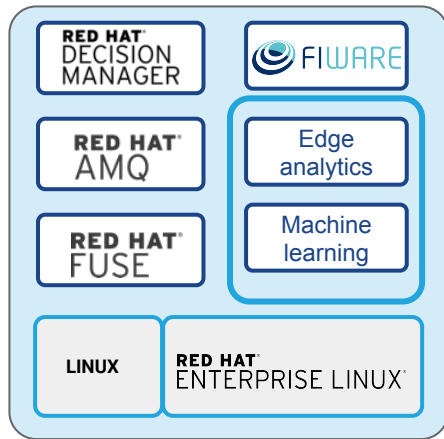
Automated operations

HOW RED HAT PORTFOLIO CAN HELP

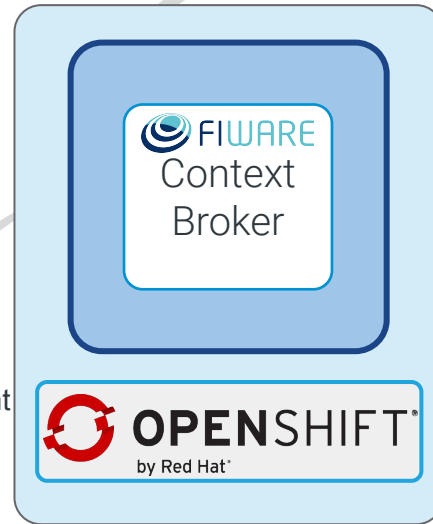
CONNECTED "THINGS"



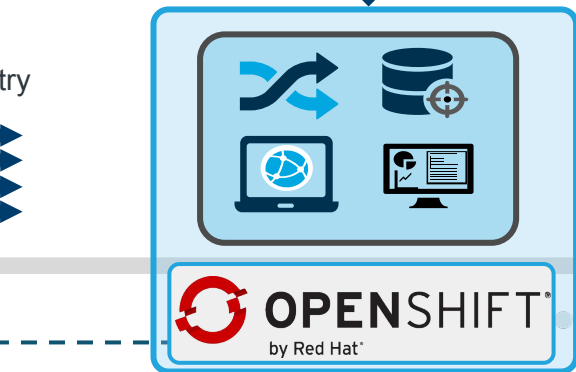
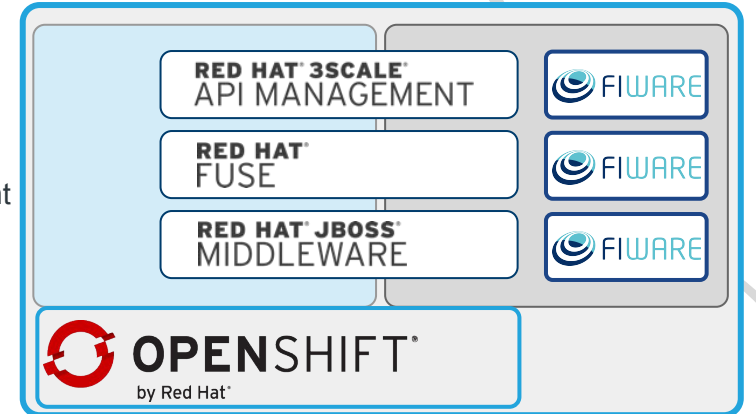
IoT EDGE



IoT INTEGRATION HUB



APPLICATION DEVELOPMENT, DELIVERY, & INTEGRATION



DATA MANAGEMENT & ANALYTICS

Telemetry

Telemetry

Management

App integration

Management

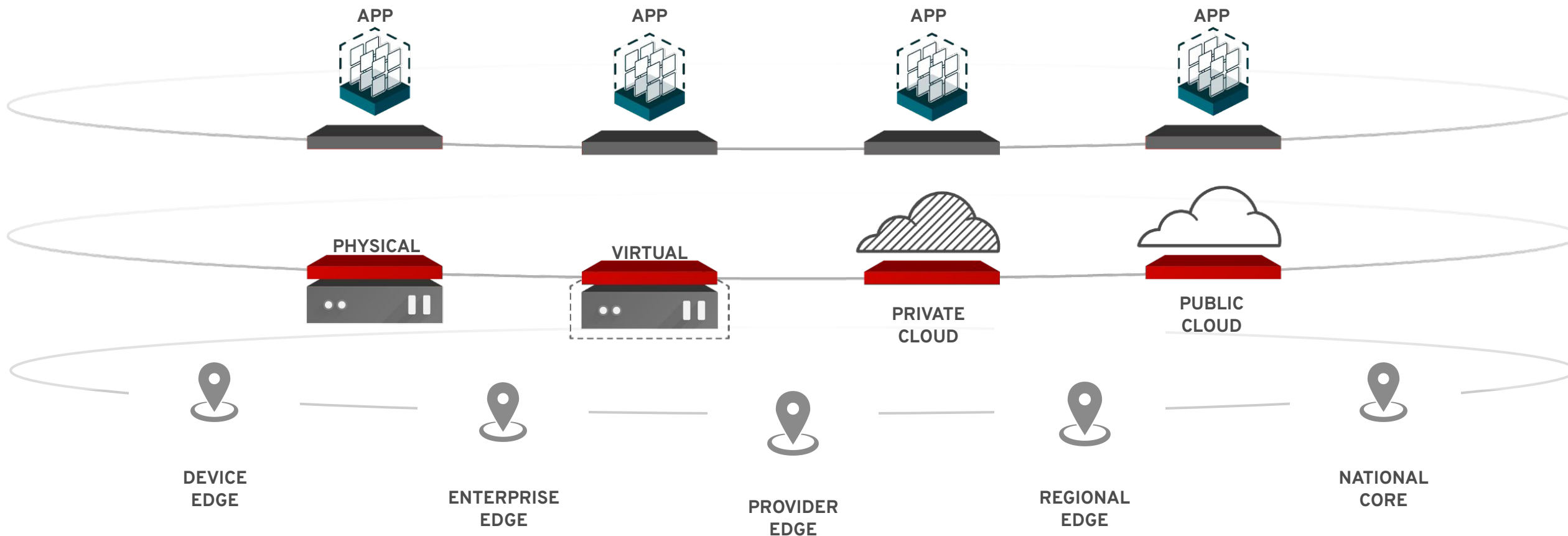
RED HAT ANSIBLE Automation

Telemetry

Machine learning model

Why OpenShift for FIWARE deployments

Any workload, any footprint, **any location.**



Red Hat & FIWARE live demo

Why Red Hat

Benefits

FIWARE deployment with Red Hat Solution difference example

AVM based FIWARE project deployment by a Red Hat partner took **appx. 7 days just to get the platform up and running**

Our demo will show getting it **up and running in minutes**



Live Demo

Technology and architecture



Social Innovation Lab

2022 FIWARE Residency

Result after 6 weeks

<https://github.com/FIWARE-Ops/marinera>

Live Demo

Technology and architecture

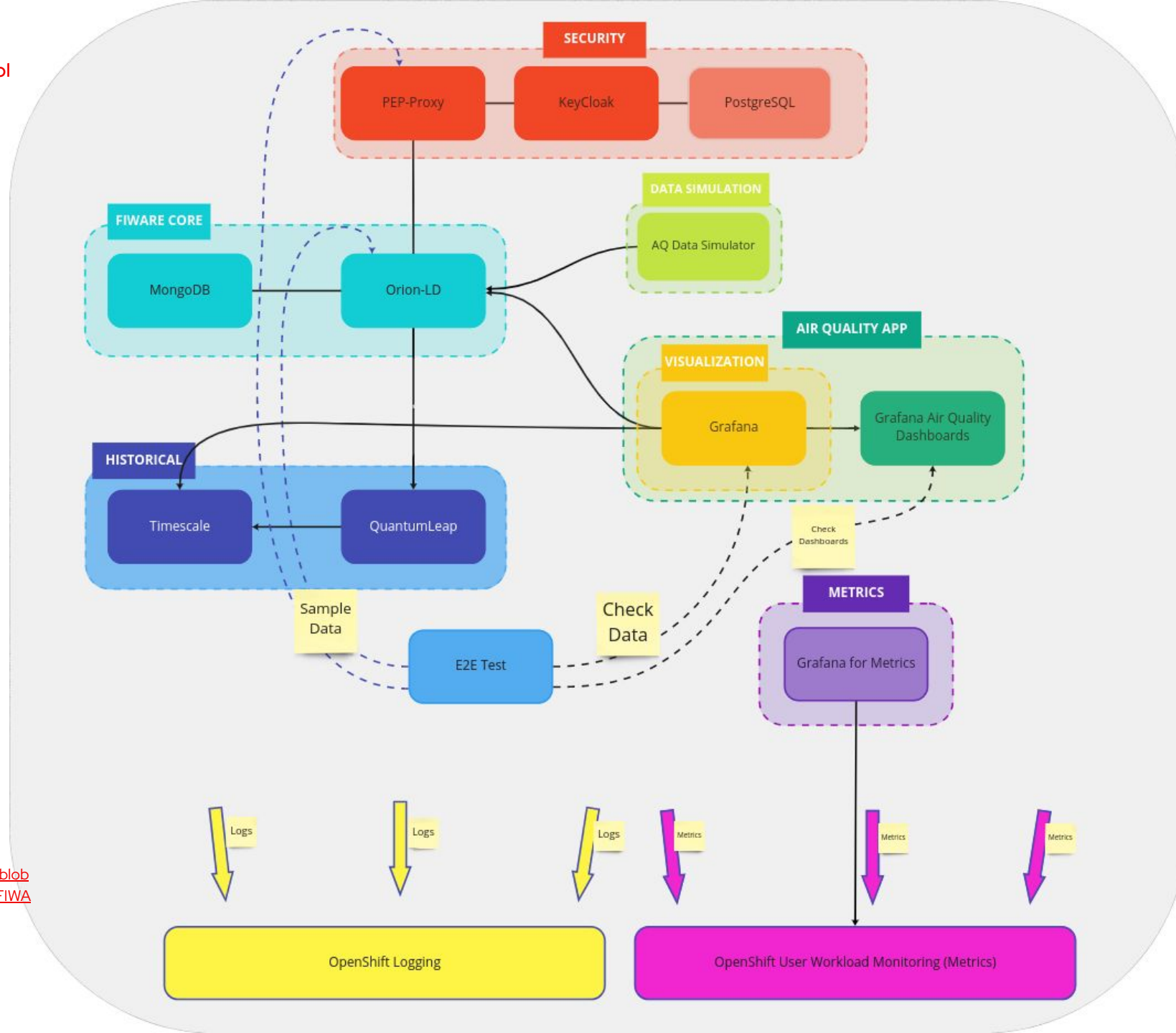


Sprint 1

- component deployment
- infrastructure setup with Public Git repositories, ArgoCD to automatically deploy everything on Openshift in seconds

Sprint 2

- ArgoCD to make the entire platform modular
- End-to-end test with current and historical data to the visualization of that data in Grafana
- OpenShift logging to aggregate logs from the different FIWARE platform components
- Keycloak for SSO



https://github.com/FIWARE-Ops/marina/blob/main/documentation/UNDERSTANDING_FIWARE.md

19. OpenShift-Anwendertreffen

CONFIDENTIAL designator
**IN-PERSON
EVENT**



Für Anwender und Interessierte.

Bei Anwendern vor Ort gehostet.

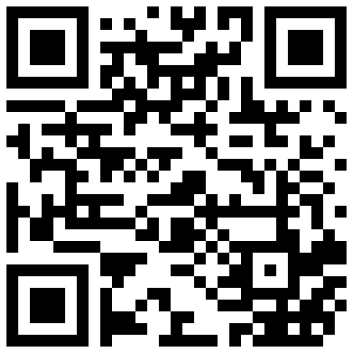
Impulsvorträge. Networking: Erfahren, wie es bei anderen läuft.

Draft Agenda:

Uhrzeit	Beschreibung
09:15 – 09:30	Ankunft & Check-in OpenShift Einführung (optional)
09:30 – 10:30	OpenShift Einführung (optional)
10:30 – 10:45	Ankunft & Check-in offizieller Teil
10:45 – 11:30	Begrüßung, Organisatorisches und Vorstellung
11:30 – ca 12:30	Keynote
ca 12:30	Mittagspause
ca 13:30 – 16:30	Breakout Sessions / Offener austausch
16:30 – 17:00	Closing, Zusammenfassung der Breakout Sessions

SAVE THE DATE

28.09.2022 beim **BRZ** in Wien



Jetzt Mitglied werden:

<https://www.openshift-anwender.de/mitglied-werde>

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Thank you

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