



Comcast using Kafka on Aiven to **drive the future of IoT**

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Oskari Saarenmaa, Aiven
Andrew Gerhold, Comcast

Comcast, IoT, Kafka on Aiven **speakers**



Oskari Saarenmaa
CEO @ Aiven



Andrew Gerhold
Strategic Opportunities Development @ Comcast



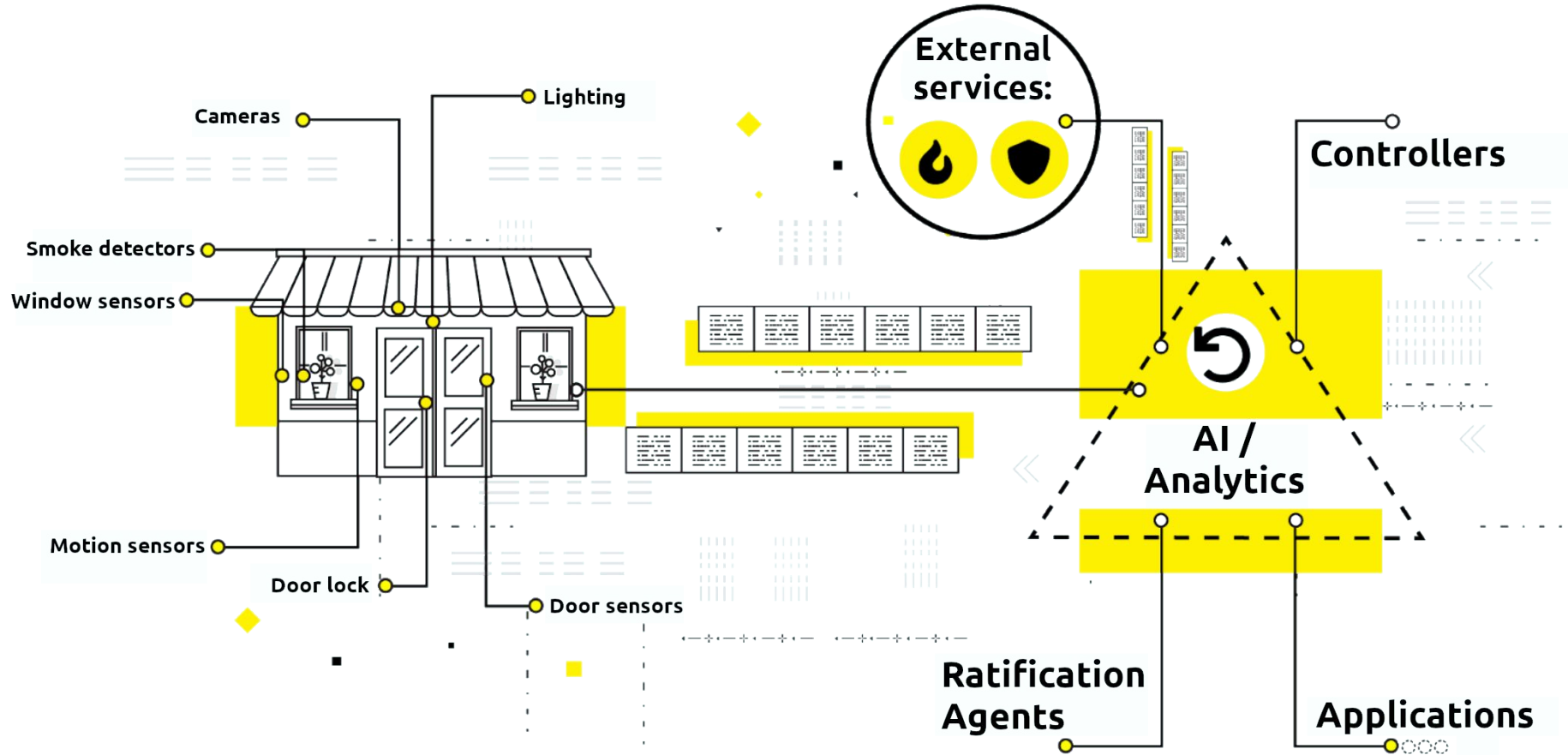
Comcast, IoT, Kafka on Aiven

agenda

- IoT event processing challenge
- Introduction to Apache Kafka
- Kafka as a managed service
- Comcast and Xfinity home
- Xfinity home vision & challenges
- The future?
- Q & A



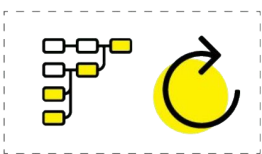
IoT event processing challenge



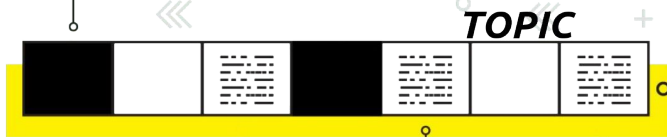
Introducing **Apache Kafka**

- Distributed event streaming platform from LinkedIn
 - Decouples message producers and consumers accelerating application innovation
 - Vastly scalable - but difficult to operate

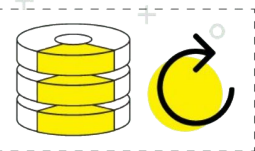
CONSUMER 1



TOPIC



PRODUCER



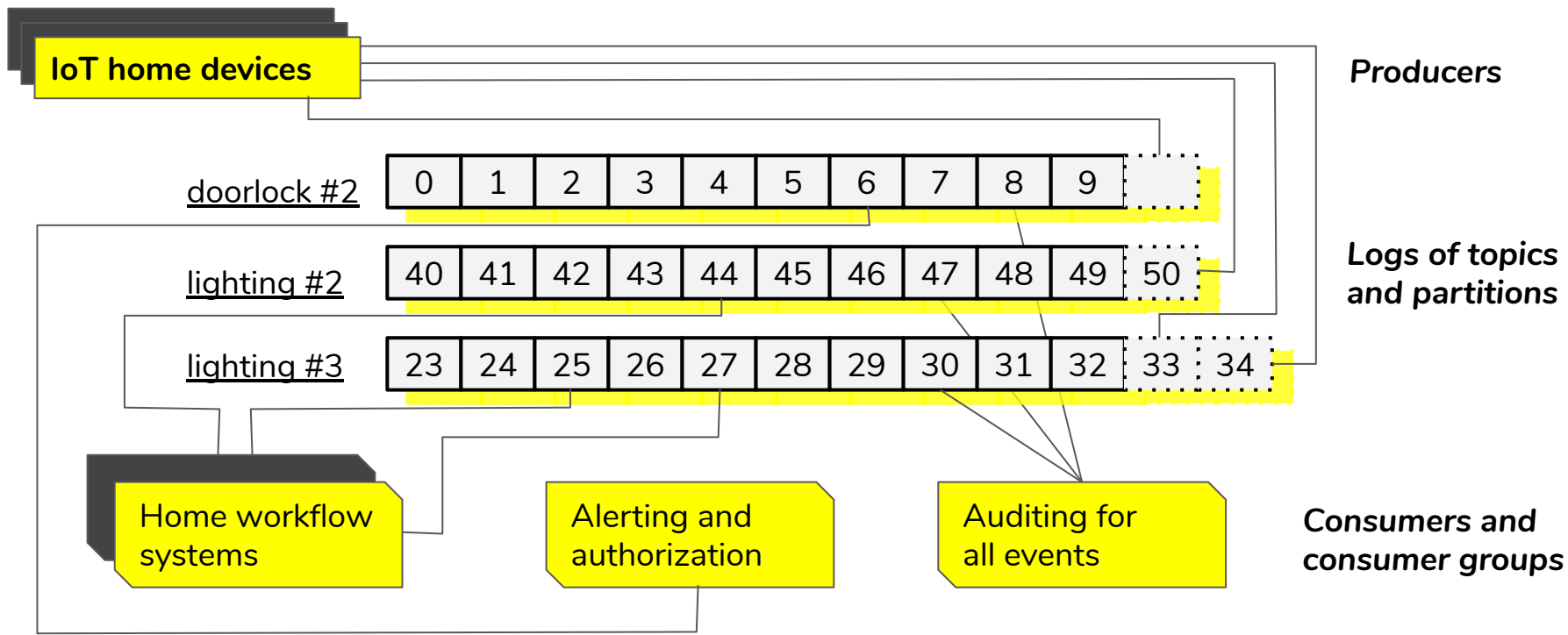
CONSUMER 2

<https://kafka.apache.org>

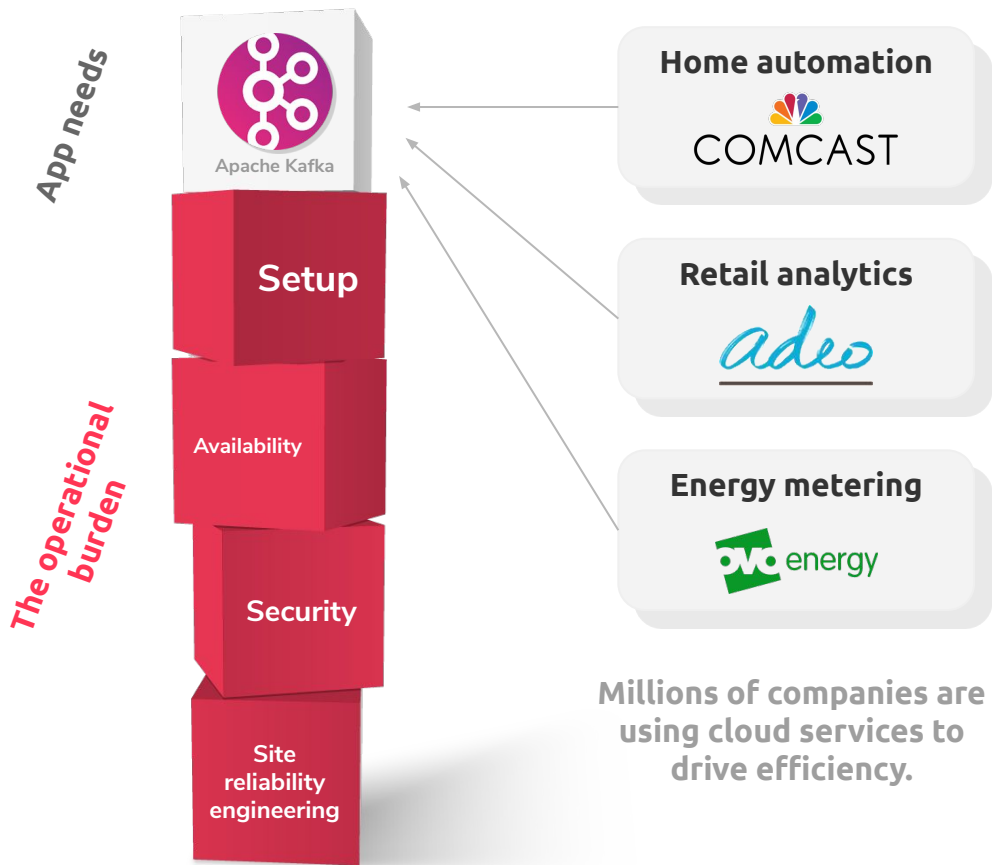
COMCAST



How Kafka works?



Build applications, not infrastructure

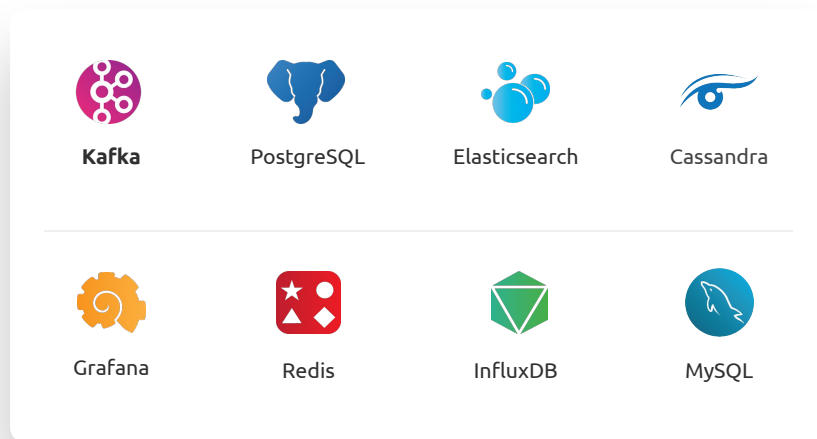
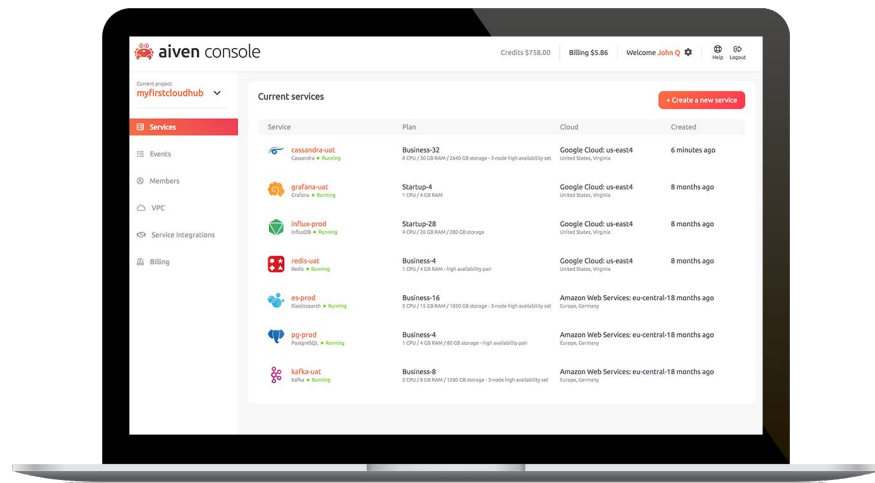


Aiven has you covered:

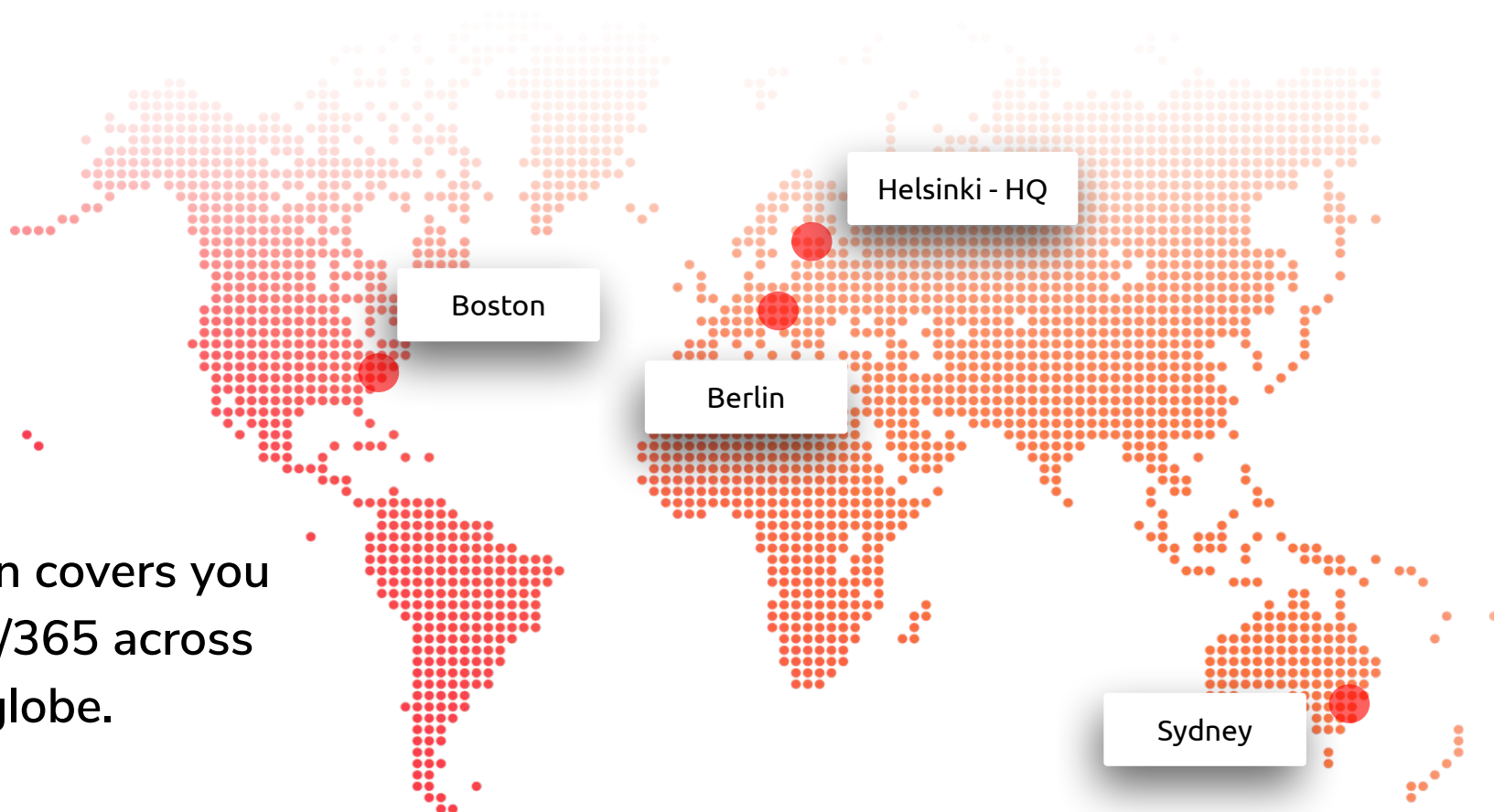
- **NoOps:** setup production grade clusters in minutes
- **99.99%** SLA included
- **SOC 2** and **ISO 27k** certified, all data is encrypted
- **24/7/365** enterprise support available

Millions of companies are using cloud services to drive efficiency.

Access **Kafka** and other open data technologies in the cloud with Aiven



Run at a **global scale** with confidence



Aiven covers you
24/7/365 across
the globe.

Aiven is **trusted** by over 500 companies



Introducing **Xfinity Home**

Connected & Protected Home
Powered by **Xfinity Internet**



Objectives and requirements

Objective

- Connect home devices together for automatic & intelligent functions
- Allow end users to set up automatic systems

Requirements

- Low latency
- Data has to be available and secure
- Infrastructure must scale



Challenges

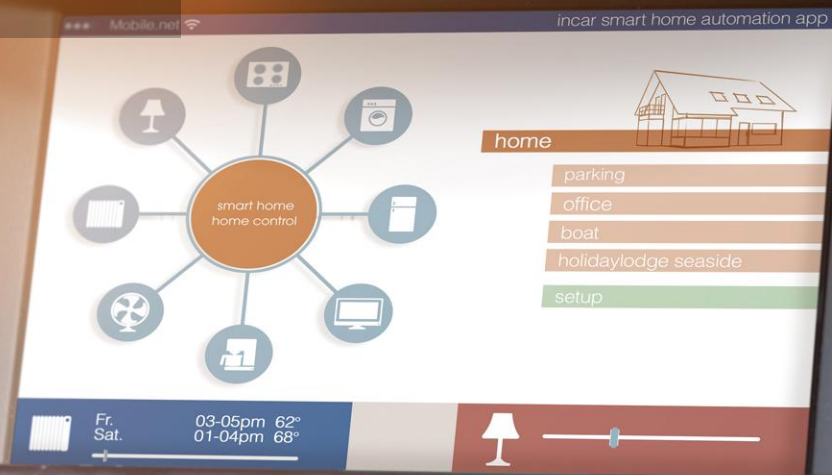
- Edge computing
- Management
- Security
- Time to market



Solution with Aiven

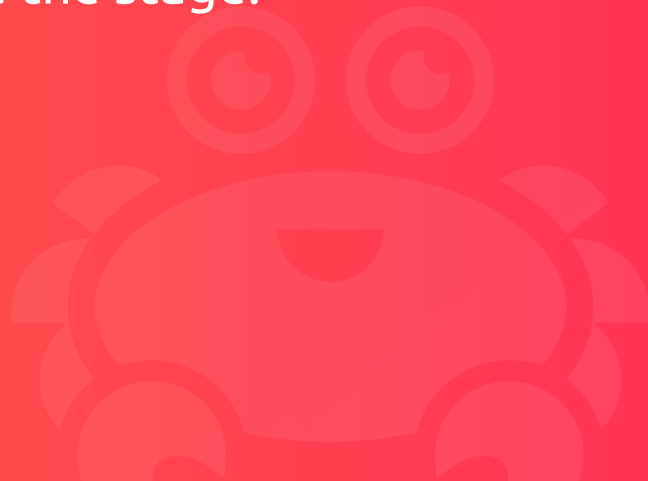


Future visions of the **Xfinity Home**



Any questions?

Meet us at our booth just around the stage.





 <https://aiven.io>

 hello@aiven.io

 [@aiven_io](https://twitter.com/aiven_io)