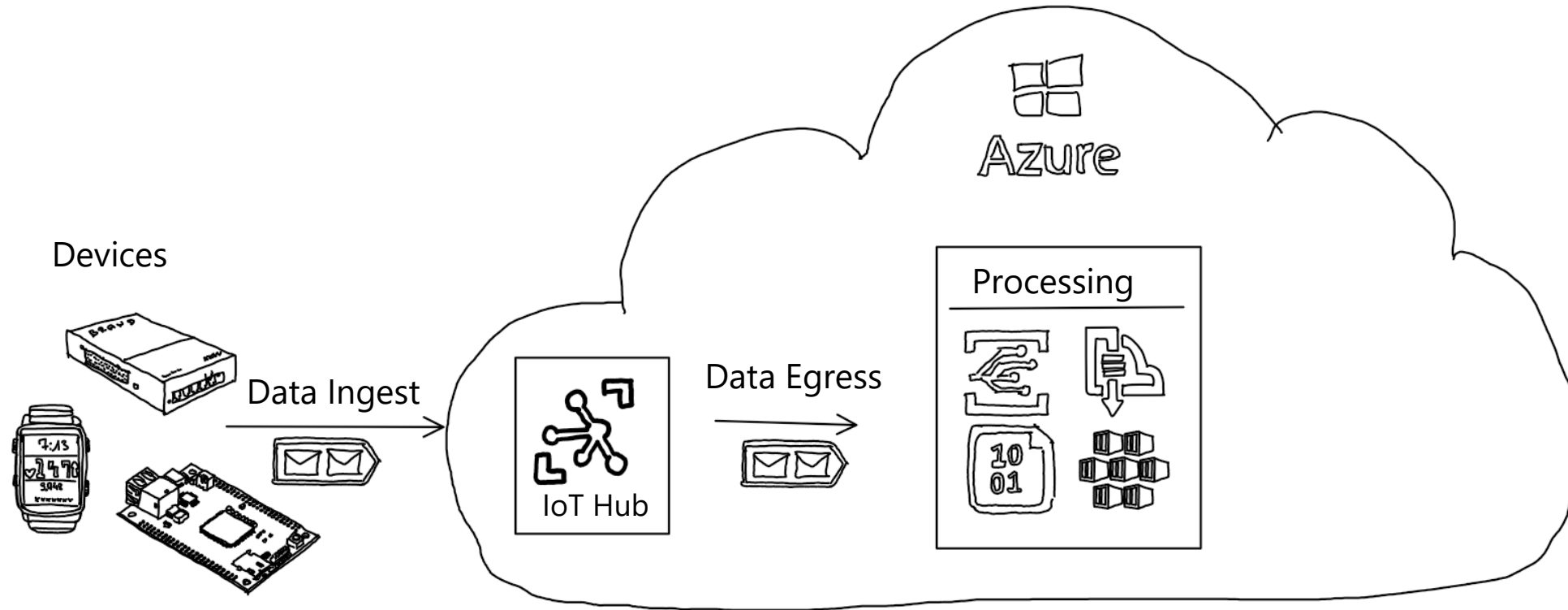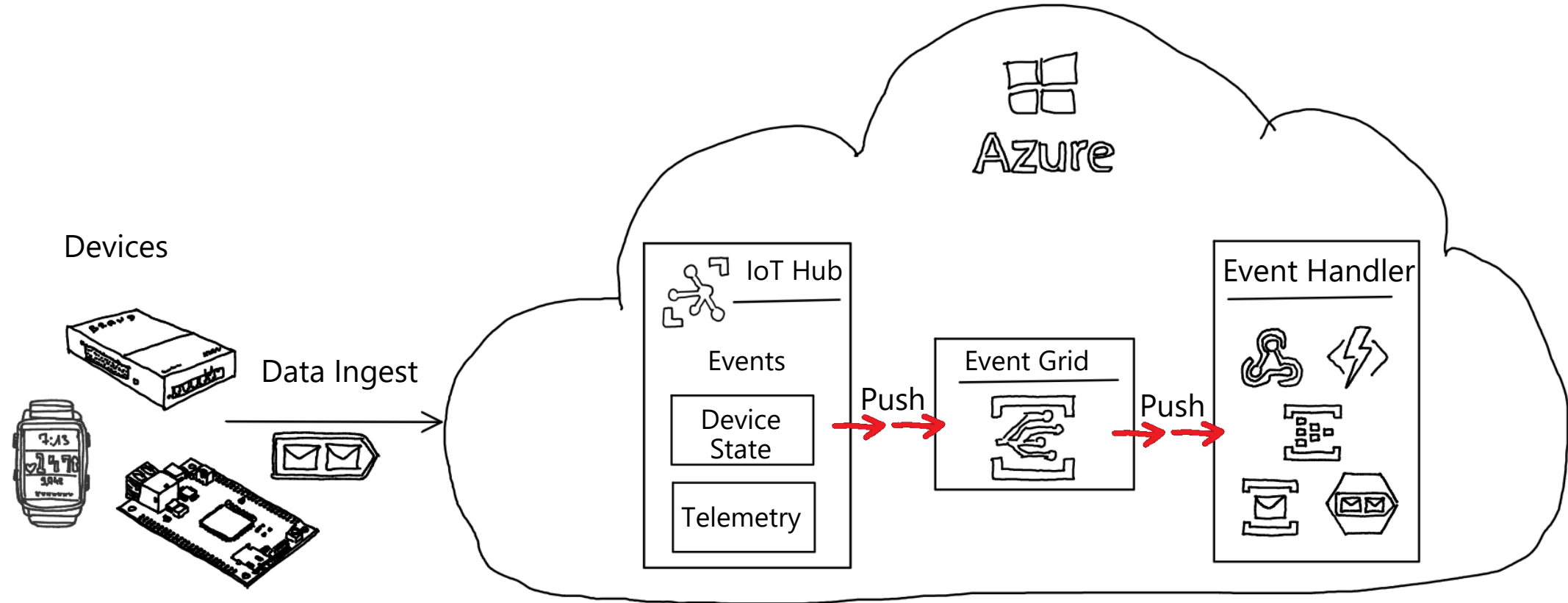# IoT Hub - Data Egress
## (Event Grid - Chapter 2)

Robert Eichenseer
Senior Services Engineer

# IoT Hub: Data Egress



Multiple ways to retrieve and process
data from IoT Hub

# IoT Hub / Event Grid



Devices

Data Ingest

Azure

**IoT Hub**

Events

Device State

Telemetry

Push

**Event Grid**

Push

**Event Handler**

Near Real Time Processing
D2C & Device State Events

# Event Grid / Service Bus / Event Hubs

## Service Bus

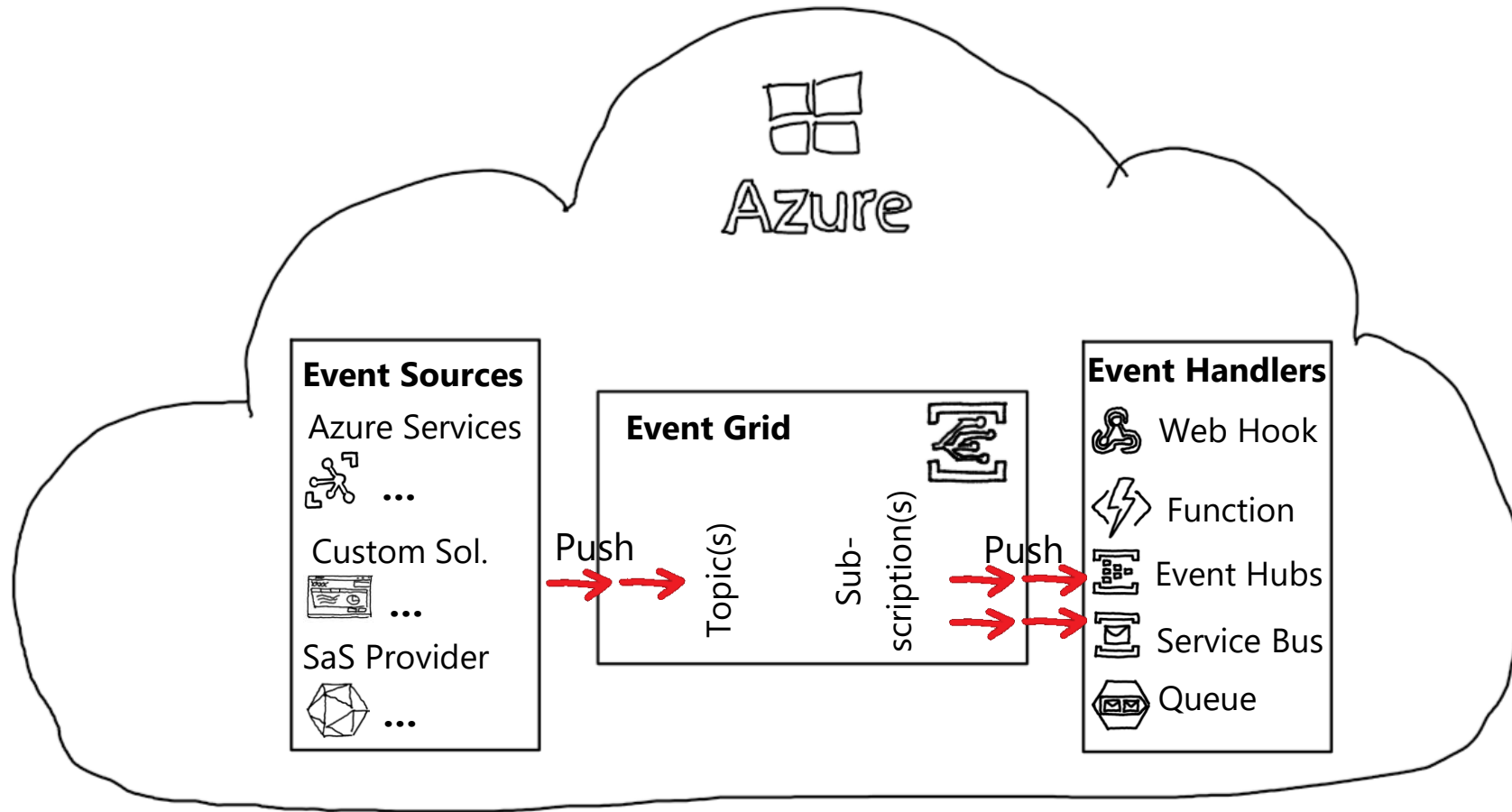Enterprise Messaging Service

Raw data
to be consumed / stored

## Event Grid

Enterprise Eventing Service

Lightweight notification
(Condition / State Change)

Event Grid is a highly scalable, serverless event broker
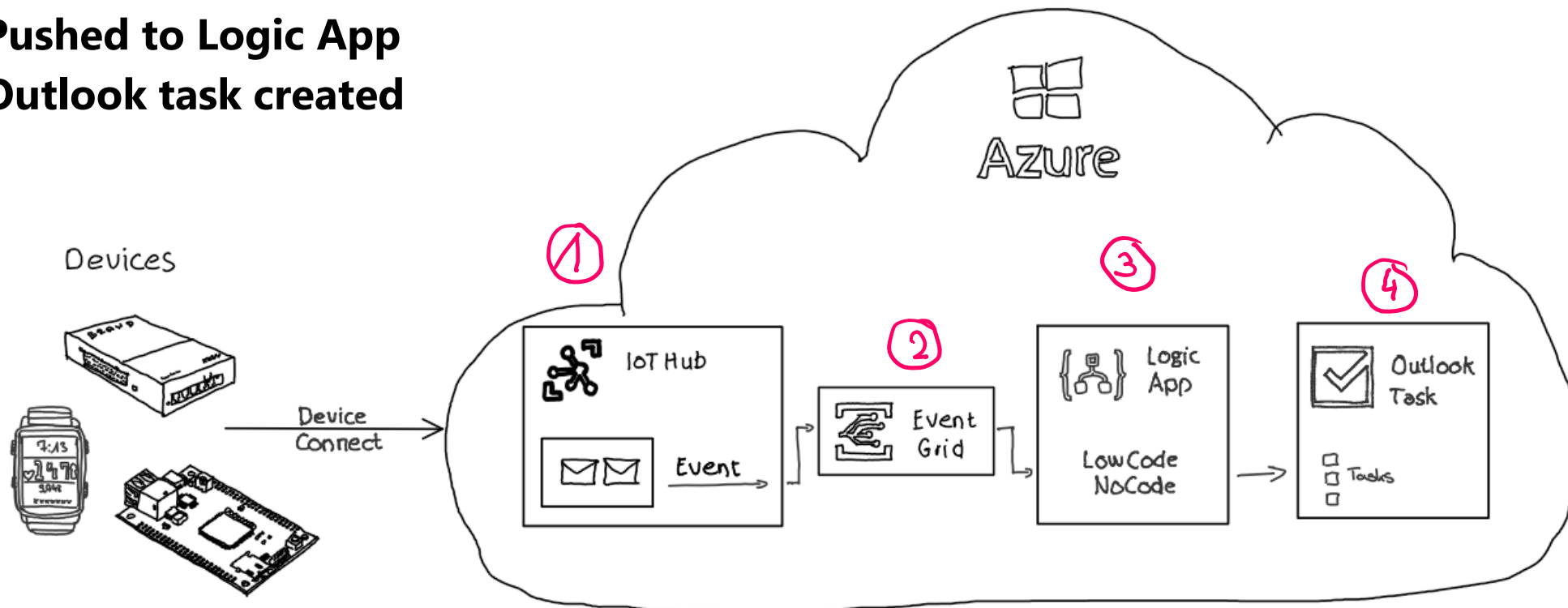that can be used to integrate applications

# Event Grid

# Demo Time
(4 Sections)

1) **Telemetry message**
2) **Pushed to Event Grid**
3) **Pushed to Logic App**
4) **Outlook task created**

# IoT Hub Data Egress

**Event Grid**

- Device Events & Device Telemetry

- ~ 10 Mio events / second

- 24h retry policy

- Dead Lettering

- Webhook (LowCode / NoCode platforms ...)

- No sequence guarantee

- IoT Hub State "Transitioning"

# Summary

**IoT Hub**

- Push - Push
- Webhooks / Functions

**Sample**

- https://azure.github.io/IoTTrainingPack

**Stay Tuned**

- Egress Pull