

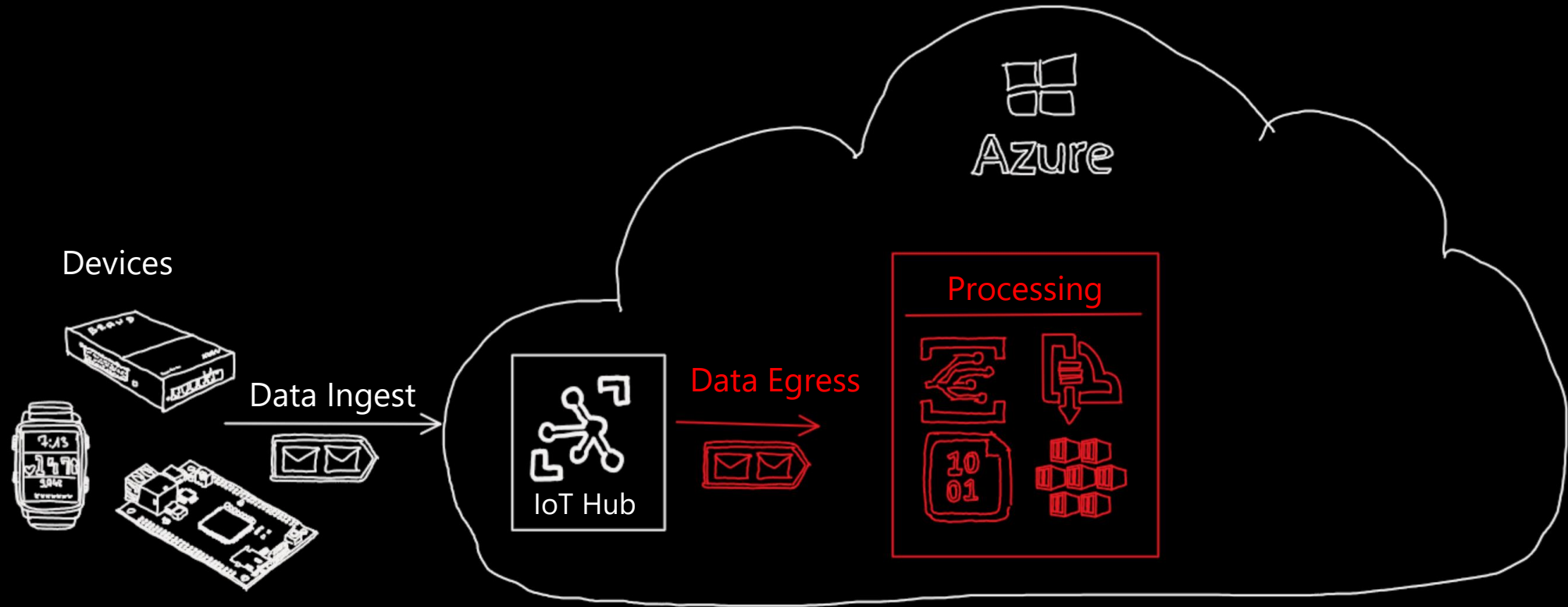
# IoT Hub Data Egress (Chapter 1)



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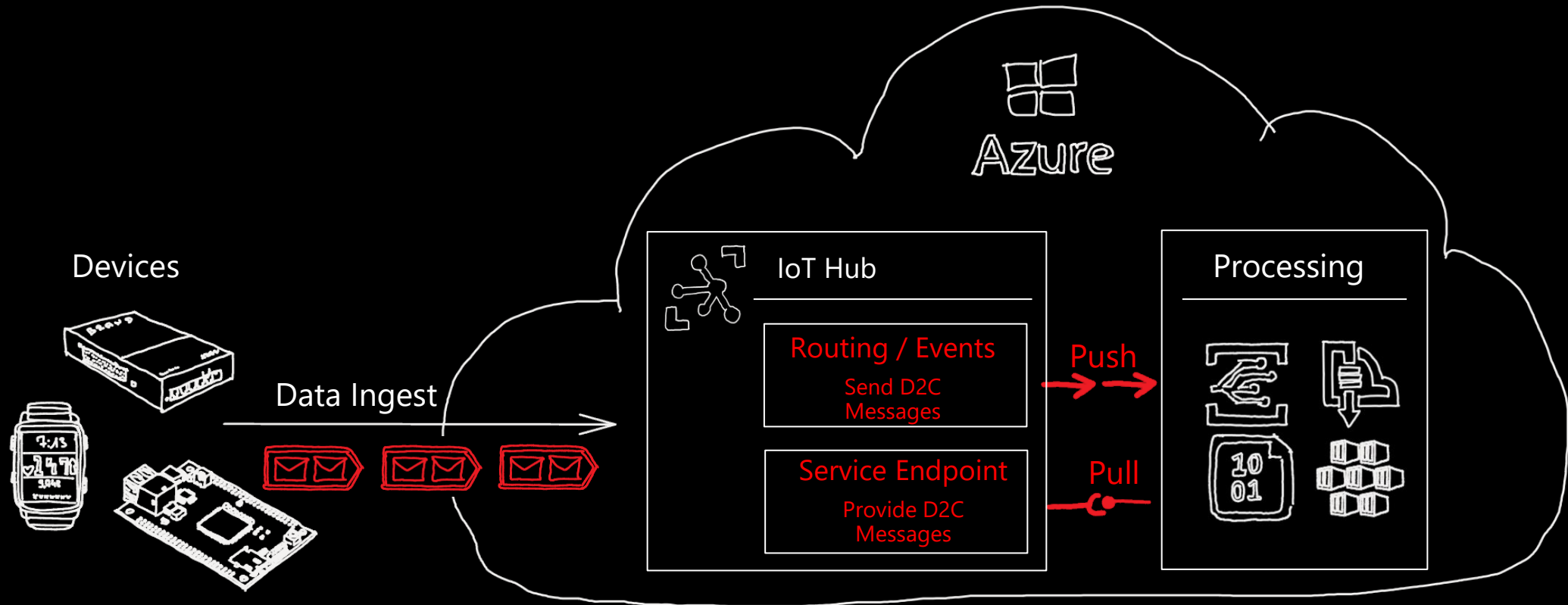


# IoT Hub: Data Egress



Multiple ways to retrieve and process data from IoT Hub

# IoT Hub: Message Push / Message Pull



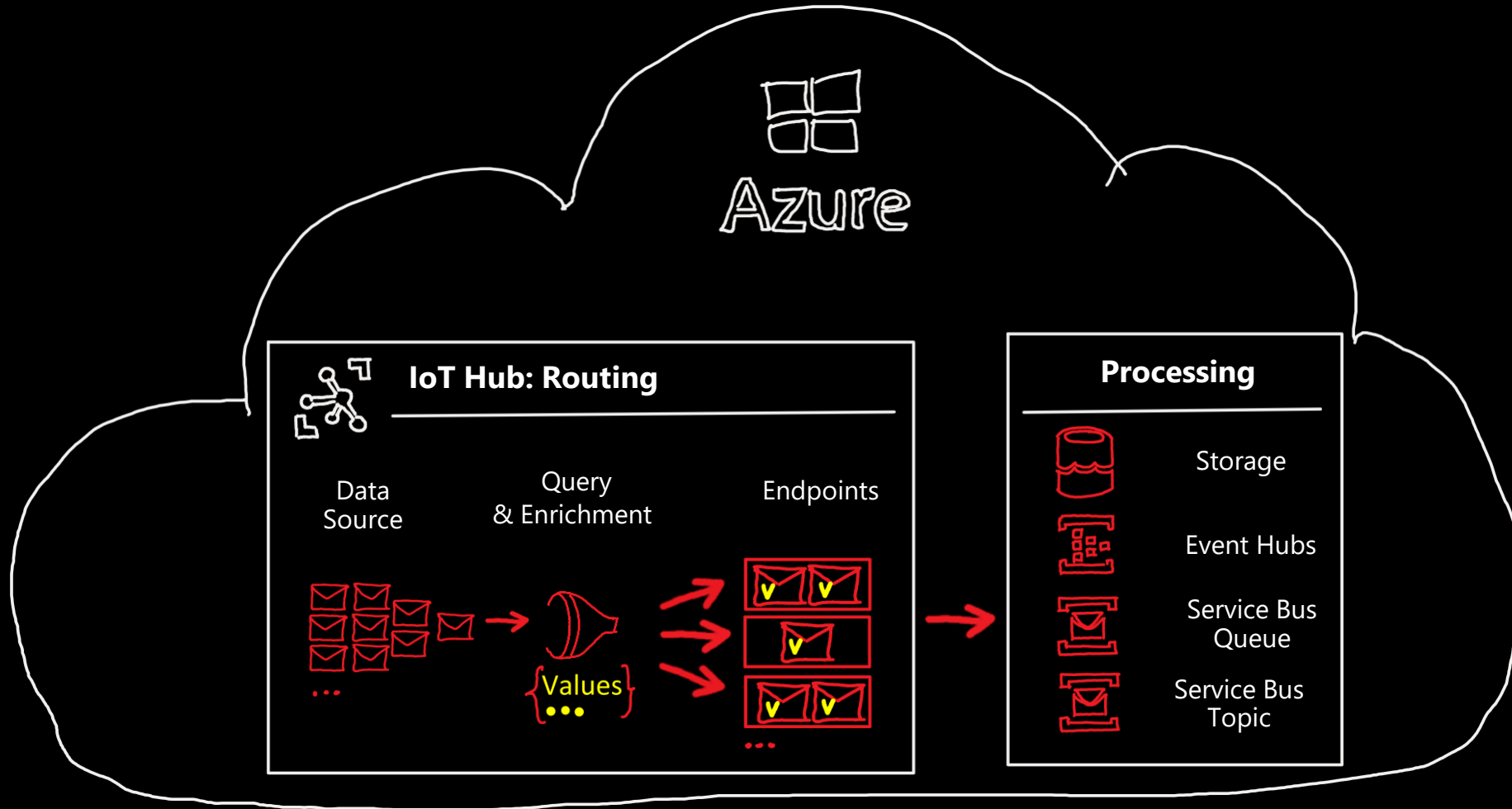
## Message Routing / Events

Push - Proactively send D2C messages

## Service Endpoint

Pull - Provide D2C messages for processing

# IoT Hub: Message Routing



**Push: Query & Enrichment**

# Message Routing Endpoints

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## Event Hubs

High volume and high throughput scenarios



## Service Bus Queue

Reduced throughput – enhanced functionality (query, TTL, de-duplication, ...)



## Service Bus Topic

See Service Bus Queue + multi-cast and broadcasting to subscribers



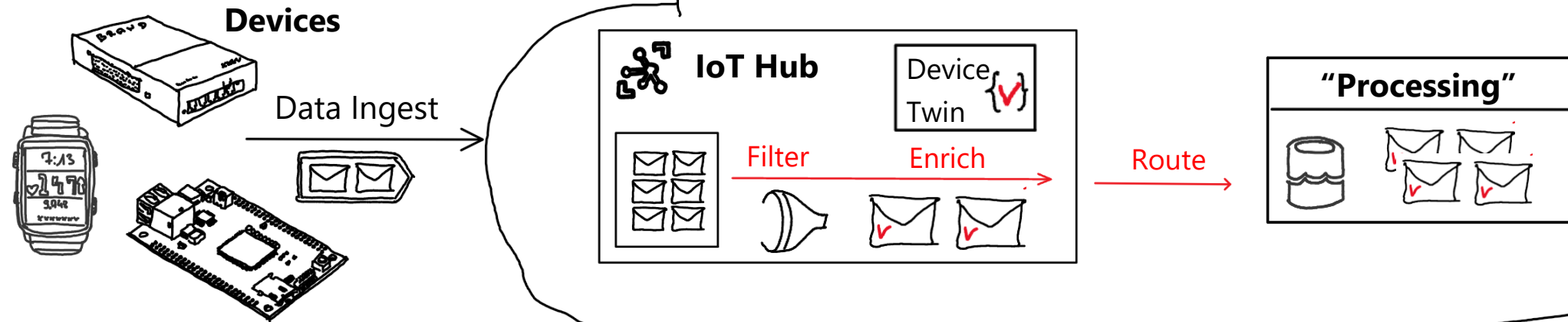
## Storage

Archiving raw data, compliance requirements, AI, ...

# Demo Time

(4 Sections)

- 1) Basic Setup
- 2) Simple Route
- 3) Enrichment
- 4) Filter / Query



# Summary – Data Egress (push)

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## IoT Hub

- Routing / Endpoints
- Event Enrichment
- Filter / Query

## Sample

- <https://aka.ms/IoTHubEgressPush>

## Stay Tuned

- Egress Pull
- Event Grid

