

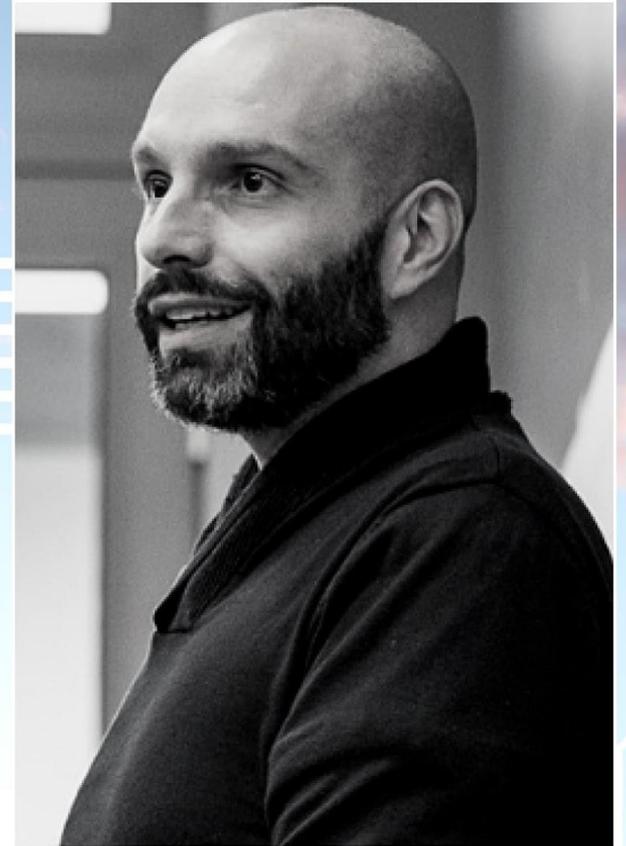


# CLOUD DAY 2020

29 OTTOBRE • #CLOUDDAY2020

A MESSAGE  
TO RULE THEM ALL

ALESSANDRO MELCHIORI  
@amelchiori



# Kudos



**managed/designs**





Messages, messages everywhere



Command!

A close-up photograph of a person wearing a white lab coat, holding a strip of white paper from a tray. The tray is a long, thin metal or plastic strip with several white paper strips hanging from it. The person's hands are visible, holding one of the strips. The background is dark and out of focus.

Command!

If a publisher has a certain expectation of how the published information item ought to be handled, and what audience should receive it, it's issuing a command, assigning a job, or handing over control of a collaborative activity



Event!



Event!

Events are also messages, but they don't generally convey a publisher intent, other than to inform. An event captures a fact and conveys that fact.

A consumer of the event can process the fact as it pleases and doesn't fulfill any specific expectations held by the publisher.





...or they carry informational data points as elements of a continuously published stream.

(es: temp sensor)

# Azure Options



## **Azure Event Hubs**

Is designed with focus on the data point event scenario



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## Azure Event Grid

Is the distribution fabric for discrete “business logic activity” events that stand alone and are valuable outside of a stream context



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## Azure Event Grid

Is the distribution fabric for discrete “business logic activity” events that stand alone and are valuable outside of a stream context



## Azure Service Bus

Is a host for queues holding jobs of critical business value





**Welcome Azure Event Grid**

# Concepts



**Event** - What happened.



# Concepts



**Event Sources** - Where the event took place.



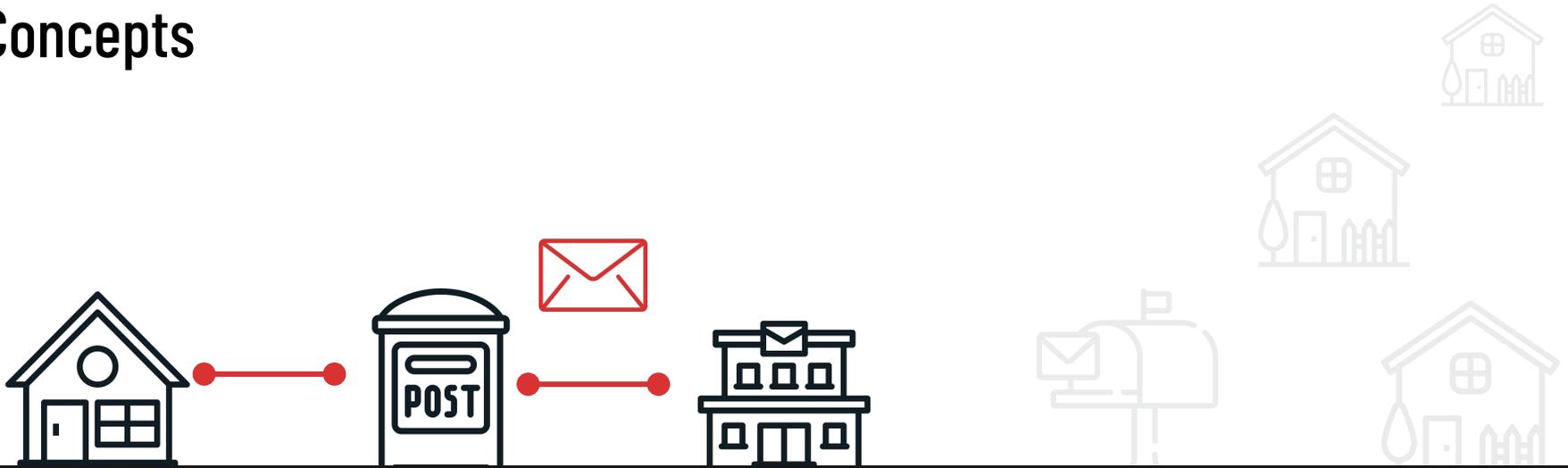
# Concepts



**Topics** - the endpoint where publishers send events.



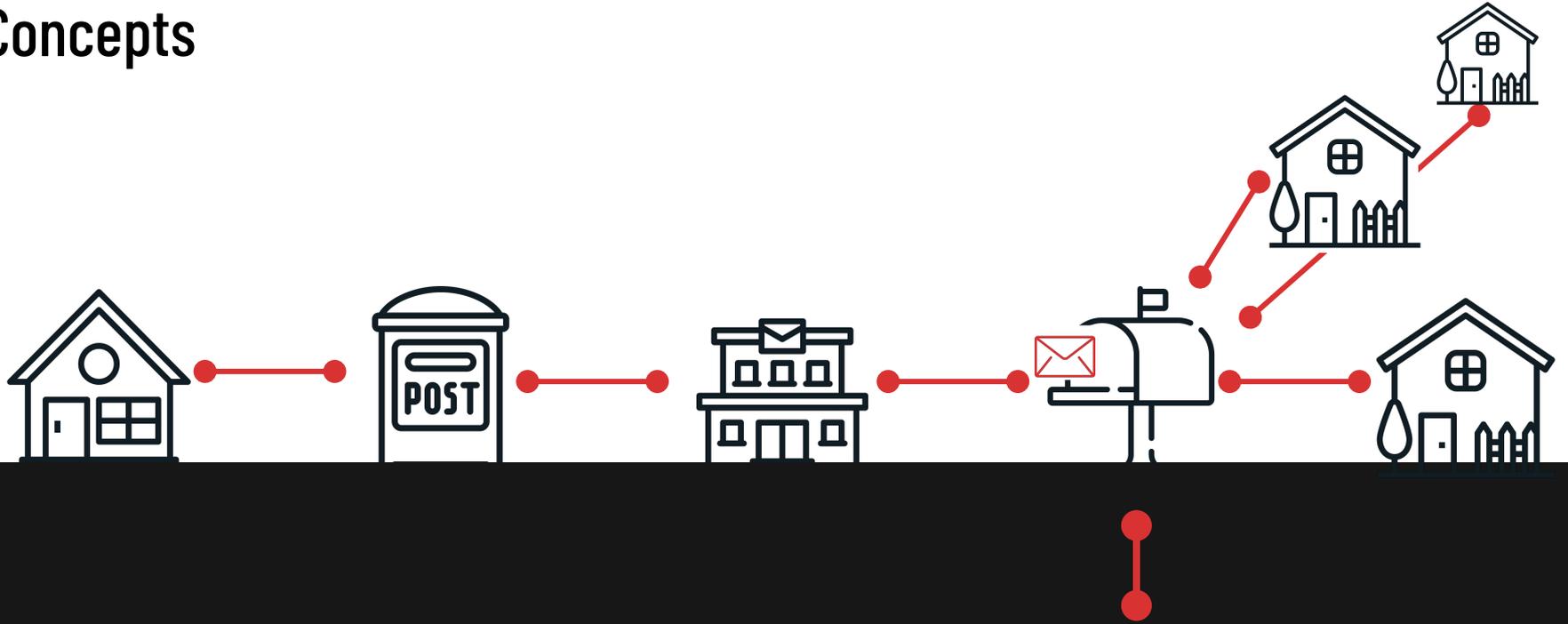
# Concepts



**Event subscriptions** - The endpoint or built-in mechanism to route events, sometimes to more than one handler. Subscriptions are also used by handlers to intelligently filter incoming events.



# Concepts



**Event handlers** - The app or service reacting to the event.



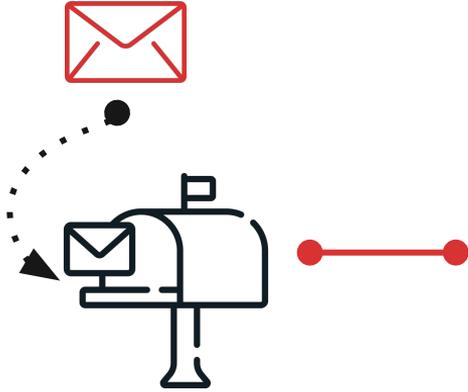
# Event sources



- Azure App Configuration
- Azure Blob Storage
- Azure Communication Services
- Azure Container Registry
- Azure Event Hubs
- Azure IoT Hub
- Azure Key Vault
- Azure Machine Learning
- Azure Maps
- Azure Media Services
- Azure resource groups
- Azure Service Bus
- Azure SignalR
- Azure subscriptions

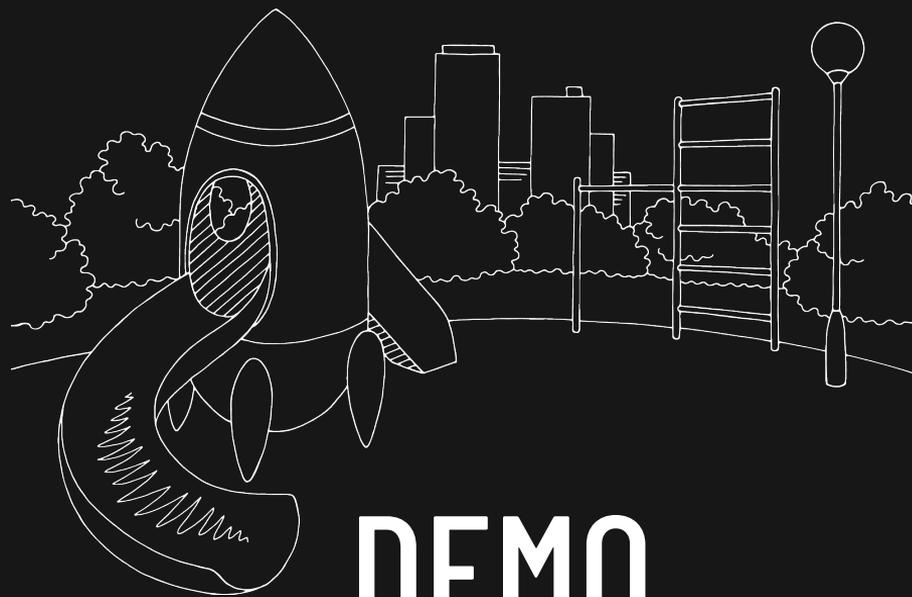


# Event Handlers



- Azure Automation
- Azure Functions
- Event Hubs
- Relay Hybrid Connections
- Logic Apps
- Power Automate (Formerly known as Microsoft Flow)
- Service Bus
- Queue Storage
- WebHooks





DEMO



**Azure Event Grid is the missing part to connect  
all the Azure services as a whole platform**



# LINK

Choose between Azure messaging services - Event Grid, Event Hubs, and Service Bus

<https://tinyurl.com/y3to9h9d>

Events, Data Points, and Messages - Choosing the right Azure messaging service for your data (Clemens Vasters)

<https://tinyurl.com/y5uqylxl>





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**Grazie!**

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