



# CLOUD DAY 2020

29 OTTOBRE • #CLOUDDAY2020

A MESSAGE  
TO RULE THEM ALL

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# Kudos



**managed/designs**







Messages, messages everywhere



A close-up photograph of a person wearing a white lab coat, holding a long, narrow strip of white paper. A red band is visible on the left side of the paper. The person's hands are visible, holding the paper from the bottom. A red speech bubble with the word "Command!" is positioned in the upper right corner of the image.

Command!

A close-up photograph of a person's hands and arms. The person is wearing a white lab coat. They are holding a long, vertical strip of white paper against a dark, horizontal metal bar. The paper is slightly curved and appears to be part of a larger sheet. 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



A glass bottle with a white paper insert is lying on a rocky riverbank. The bottle is partially filled with water and has a cork stopper. The background shows a river and a forested hillside.

Event!

A glass bottle with a white message inside, floating in a stream, with a red speech bubble pointing to it.

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





# Azure Options



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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.



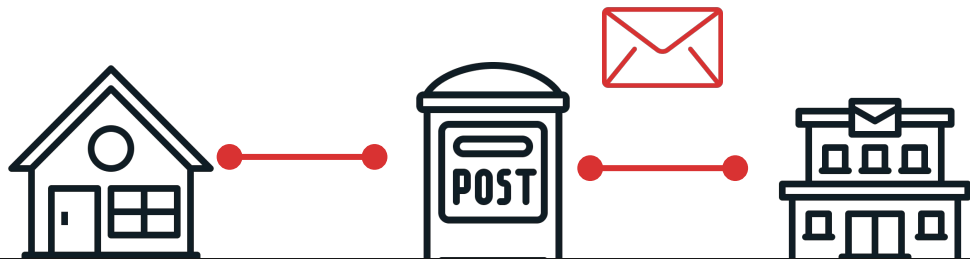
# Concepts



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



# Concepts

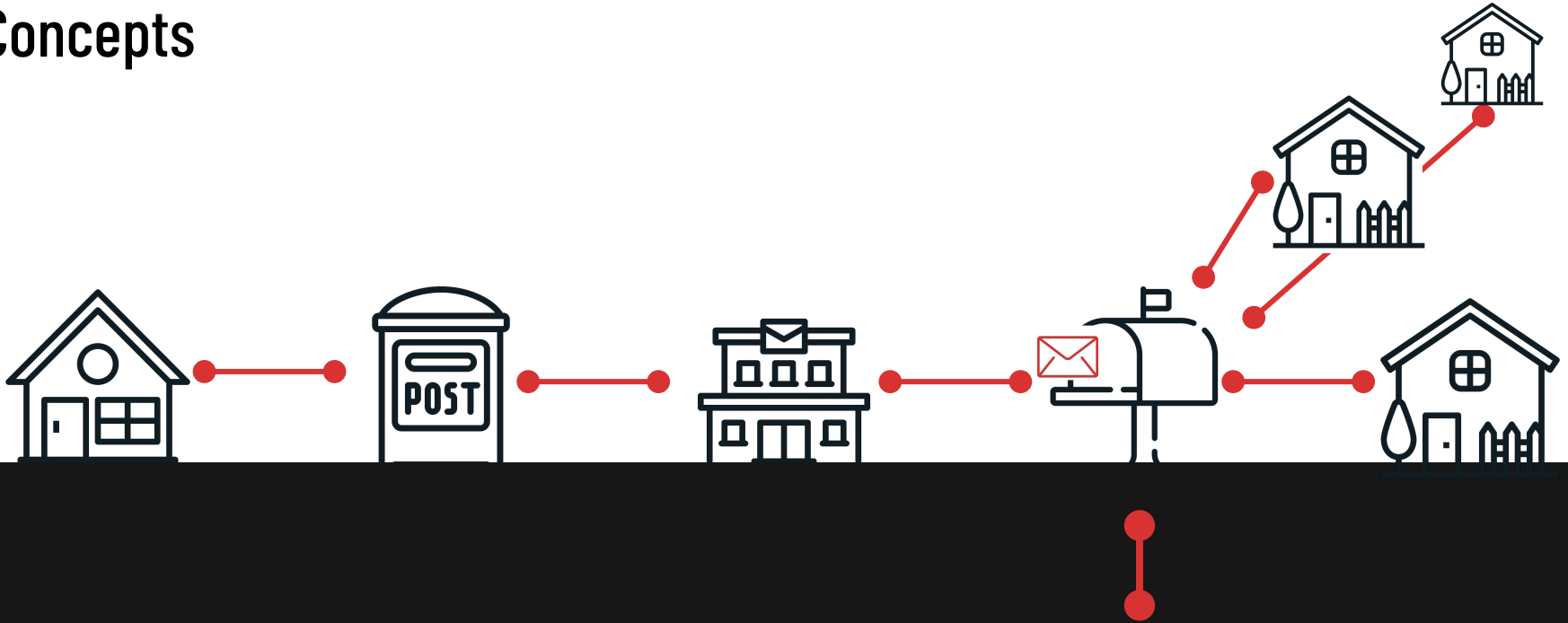


**Event subscriptions** - The endpoint or built-in mechanism to route events, sometimes to more than one handler. Subscriptions are also used by handlers to intelligently filter incoming events.





# Concepts



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



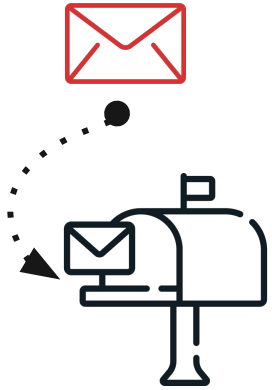
# Event sources



- 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



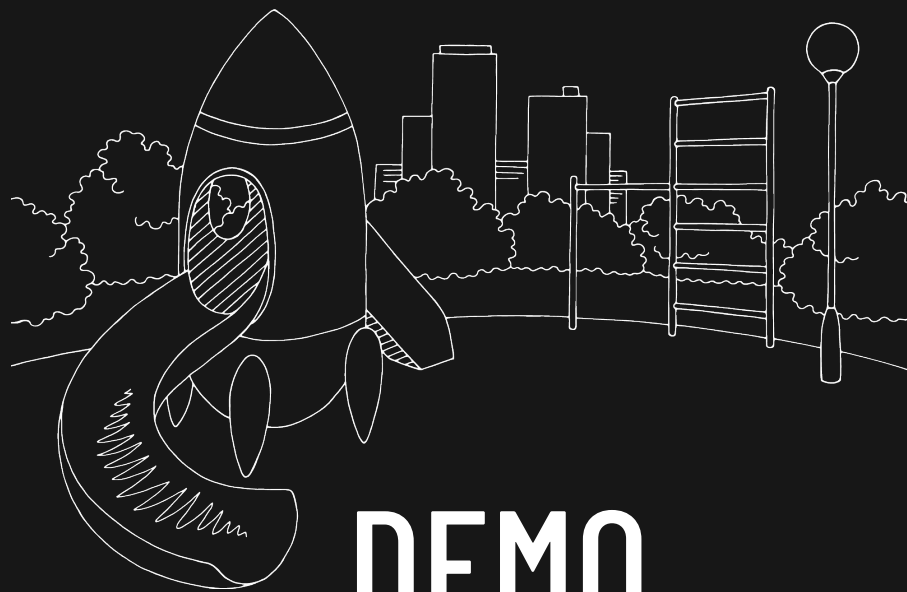
# Event Handlers



- 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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