Triggering Other Azure Services with Event Hubs

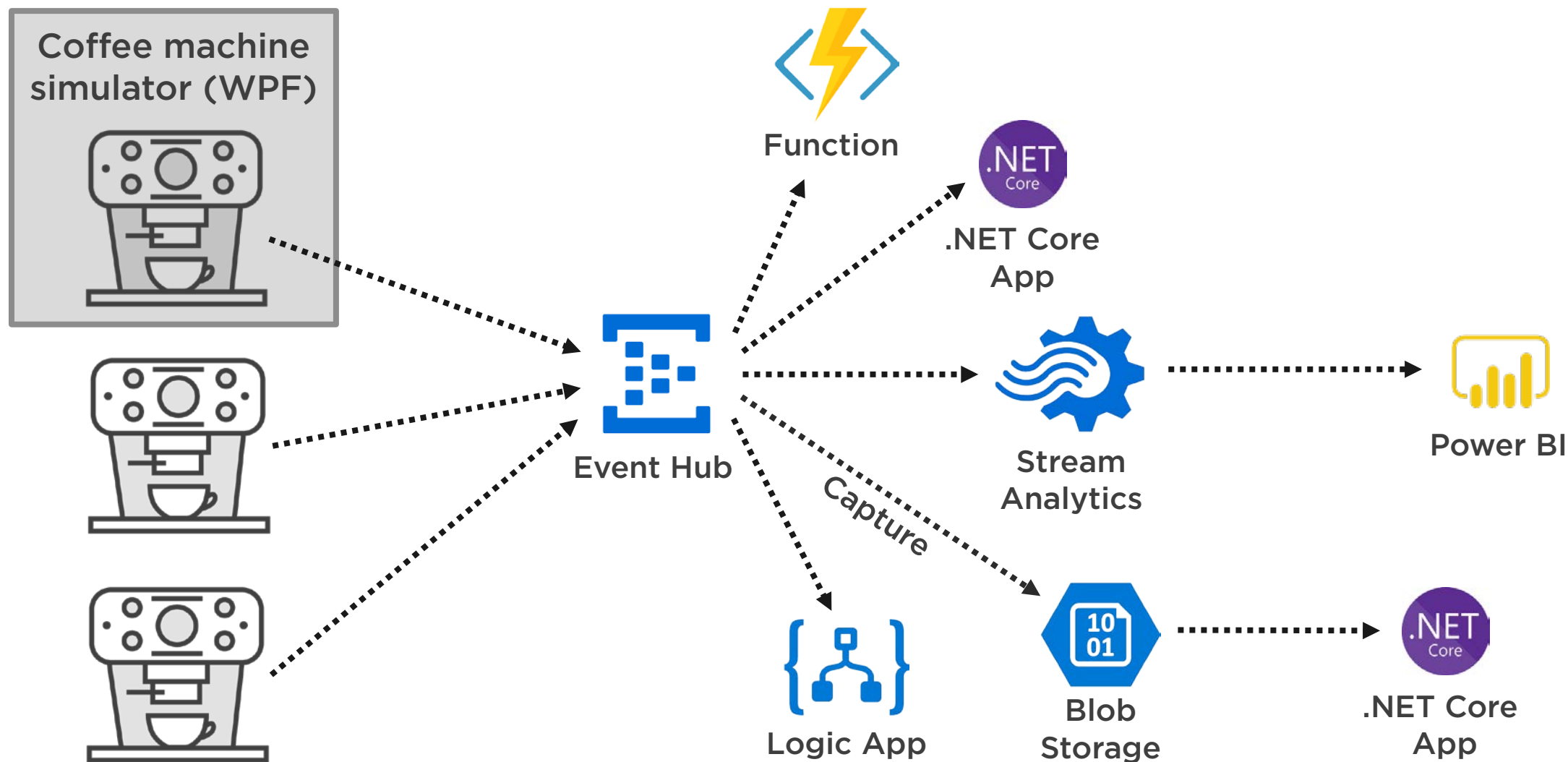**Thomas Claudius Huber**

MICROSOFT MVP (WINDOWS DEVELOPMENT)

@thomasclaudiush   www.thomasclaudiushuber.com
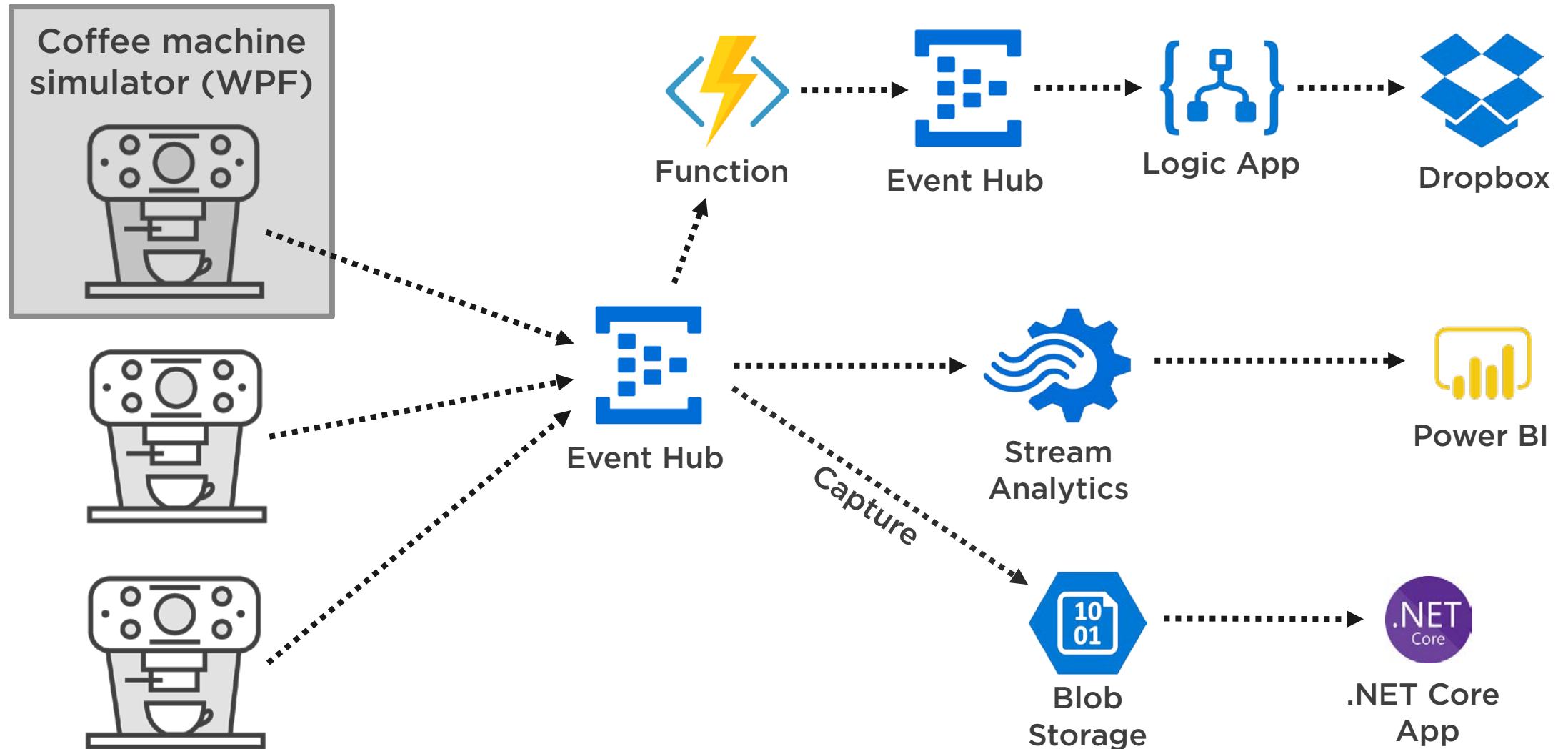
The Wired Brain Coffee Machine Scenario

"When the cappuccino counter of a coffee machine is a multiple of 1000, we need to be informed"

The Wired Brain Coffee CEO

The Wired Brain Coffee Machine Scenario

Module Outline

Write an Azure Function that is triggered by Event Hub events

- Write and run it locally
- Publish it from Visual Studio to Azure

Set up an alert Event Hub

- Send events to it from the Azure Function

Create an Azure Logic App

- Use an Event Hub trigger
- Write files to Dropbox

Demo

Create an Azure Function with an Event Hub trigger

Run the Azure Function locally

Process events in batches

Deserialize CoffeeMachineData objects

Publish the Azure Function to Azure

Demo

Publish the Azure Function to Azure

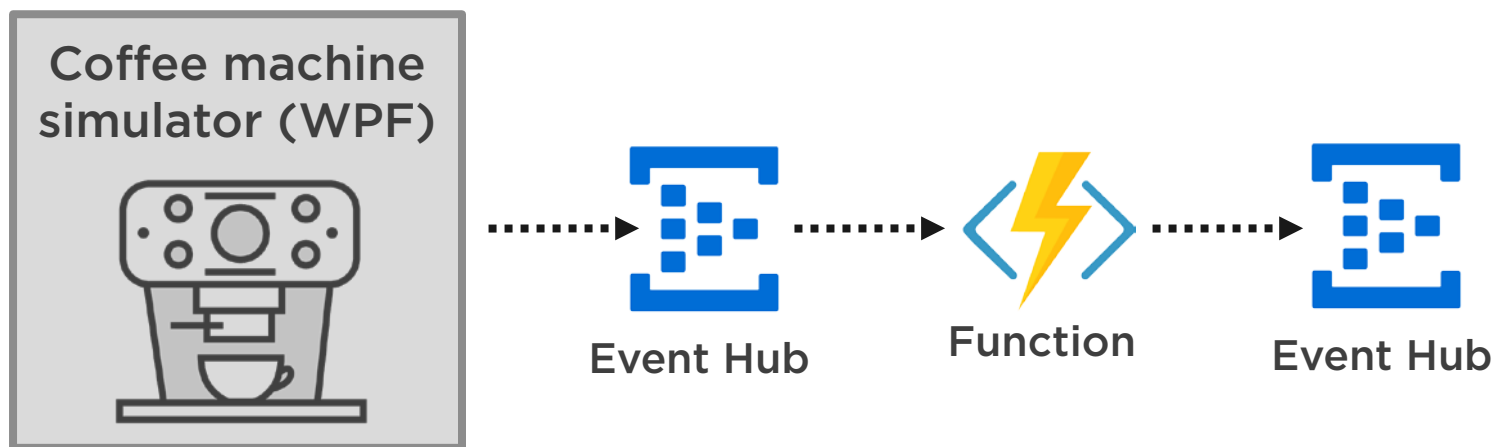**Manage the event hub connection string in the application settings**

"When the cappuccino counter of a coffee machine is a multiple of 10 , we need to be informed"

The Wired Brain Coffee CEO

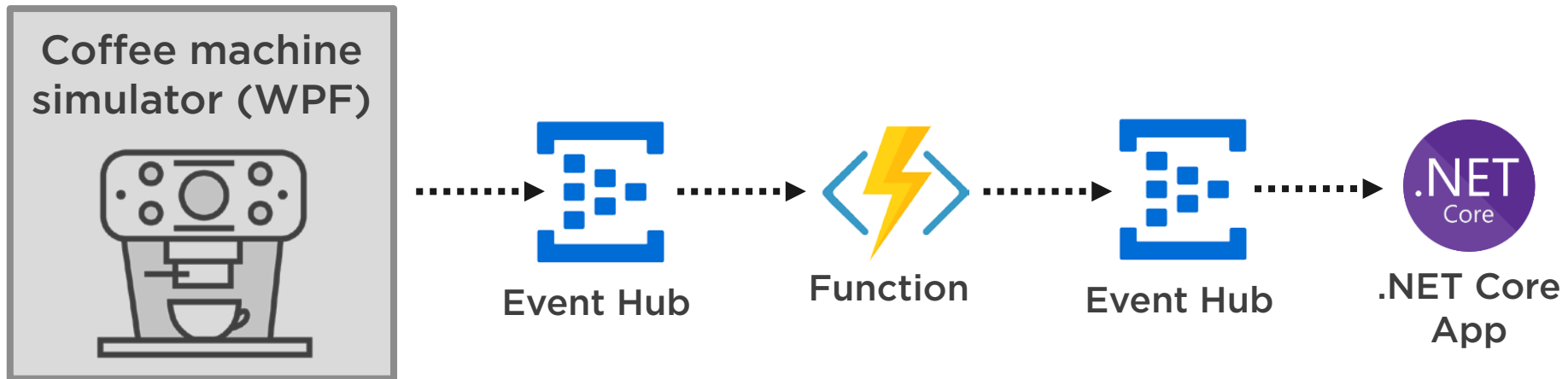# The Wired Brain Coffee Machine Scenario

Demo

Set up an Event Hub for alerts

Write from the Azure Function to the new Event Hub
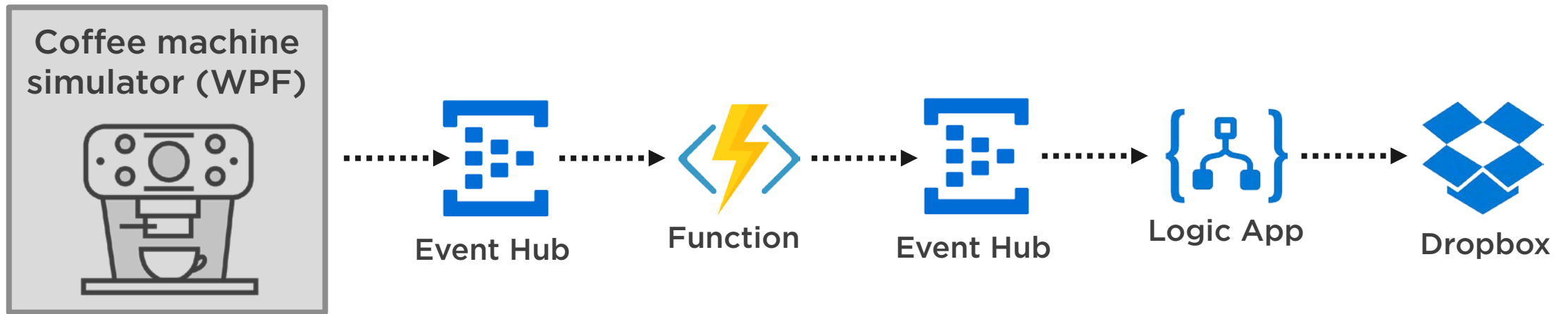
The Function and the Alert Event Hub in Action

Demo

See the Azure Function and the alert Event Hub in action

Create a Logic App with an Event Hub Trigger

Coffee machine simulator (WPF)

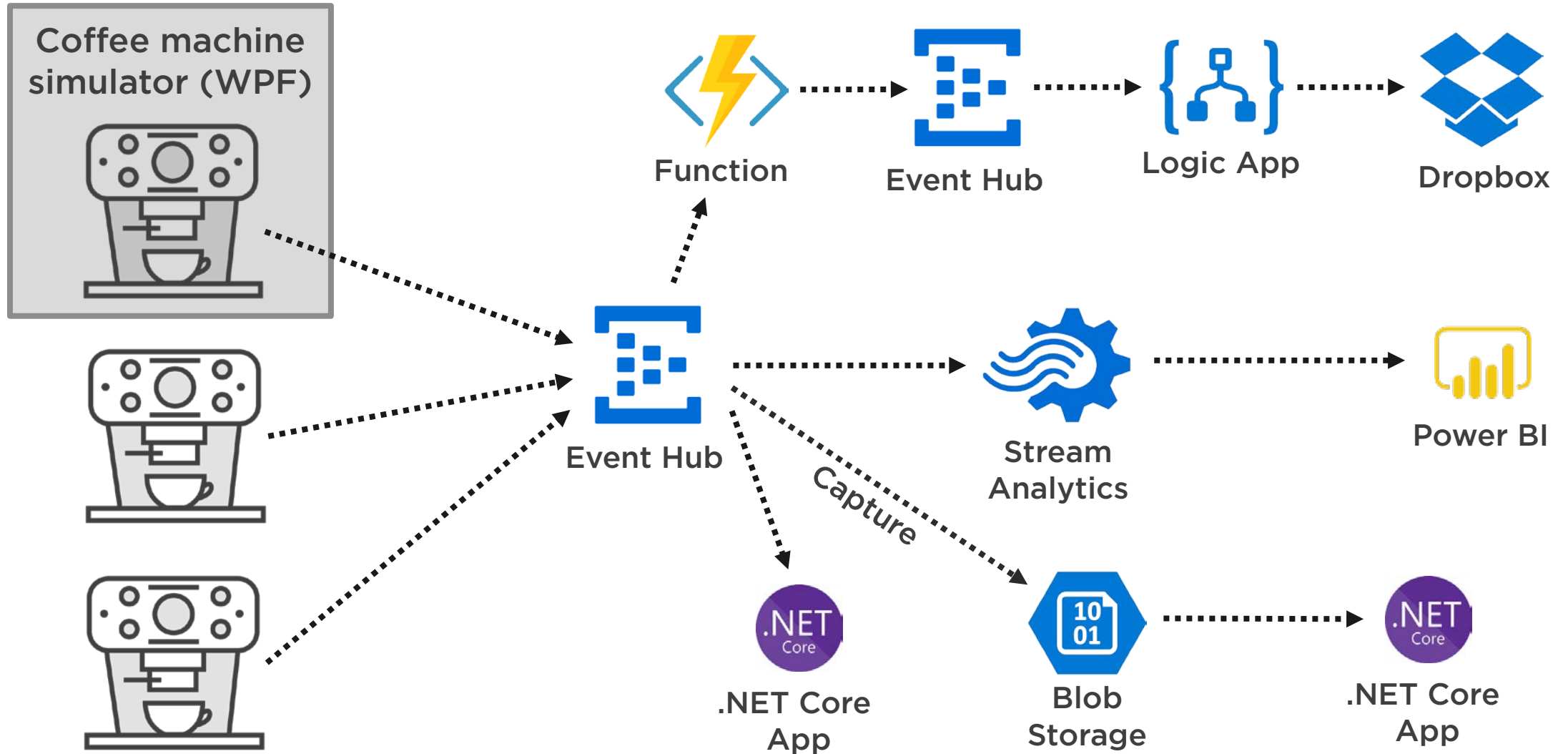Event Hub → Function → Event Hub → Logic App → Dropbox

Demo

Create a Logic App

- Add an Event Hub trigger

- Parse the JSON

- Write the data to a Dropbox folder

Course Summary

What's next?

Building event-driven solutions in Azure:

- Azure Event Hubs

- Azure IoT Hubs

- Azure Service Bus

- Azure Event Grid