Microsoft Azure Fundamentals
Training Bootcamp

Azure Serverless Computing Fundamentals 101

Serverless Computing Introduction

- With serverless computing you can build applications faster by eliminating the need to manage infrastructure
- What is serverless ? Why the name ?
- Infrastructure provisioning and management are invisible to the developer, hence the name … serverless
- Servers are still running the code, everything is run behind the scenes by Azure Cloud

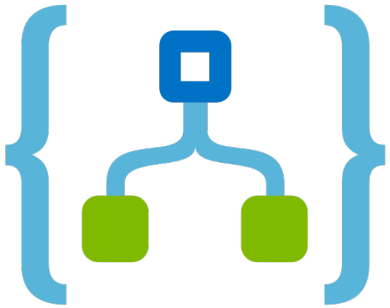
Serverless Computing Main Pillars

- *Abstraction of servers*
  - With serverless computing, you simply upload you code to Azure, which is run assuring HA as well
- *Event-driven*
  - App code is run based on triggers or events
  - i.e. Run a function when it receives an HTTP request
- *Pay by the run time*
  - You pay only for the duration your code runs
  - Times it was executed

Azure Serverless Computing

- With Azure, when talking about serverless computing, we need to refer to two Azure services

Azure Functions



Azure Logic Apps

Azure Functions

- With Azure Functions you can run small pieces of code ("functions") without worrying about application infrastructure

- The function is triggered by an event

- Trigger examples:
  - Respond to data changes
  - Run a task on schedule
  - Run a function as response to HTTP request

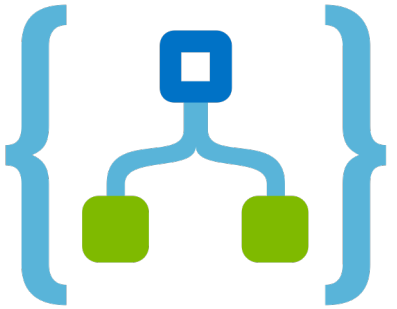
Azure Functions

Azure Functions Examples

Azure Logic Apps Introduction

- Azure Logic Apps are similar to Azure Functions, just that you don't have to write code

- With Azure Logic Apps you can:
  - Schedule
  - Automate and orchestrate tasks
  - Business processes and *workflows*



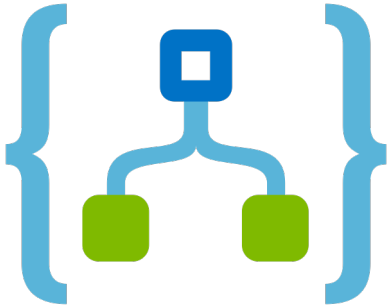
Azure Logic Apps

when you need to integrate apps, data, systems and services across enterprises or organizations

- What does workflow mean ?

Azure Logic Apps Introduction

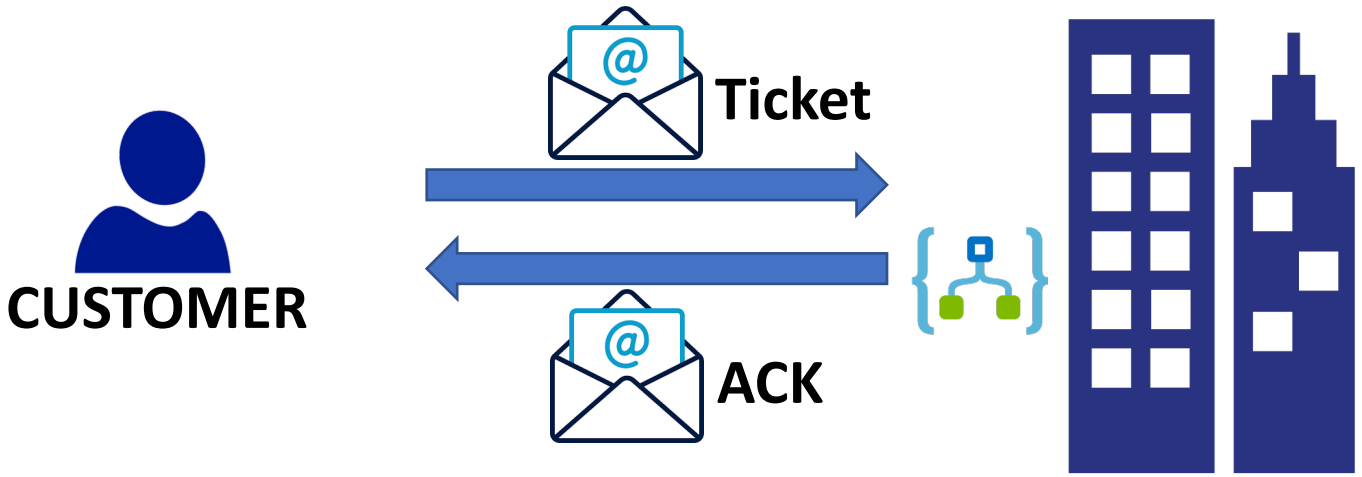
- Workflow - Visualize, design, build, automate and deploy business processes as series of steps

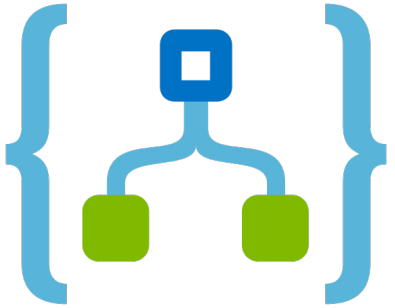


Azure Logic Apps

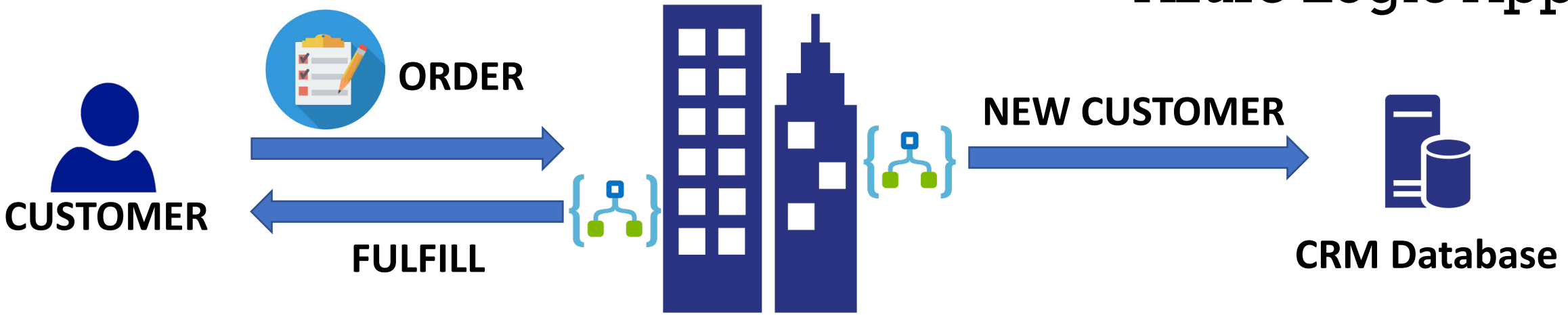
- Azure Functions executes code, while Azure Logic Apps executes workflows, using prebuilt logic blocks
- You create Logic Apps workflows using a visual designer on Azure Portal or Visual Studio

Azure Logic Apps Examples





Azure Logic Apps



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Thank you