

Building Serverless Solutions with Azure Functions



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Overview



Defining Serverless Computing

Understanding Azure Functions

Developing Functions in script

Developing Functions in Visual Studio



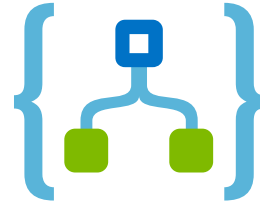
Serverless computing
focuses on the application
without managing
infrastructure.



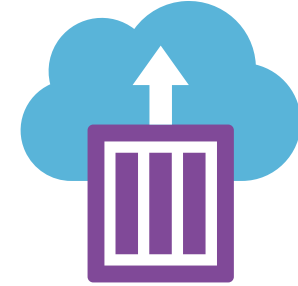
Serverless Technologies in Azure



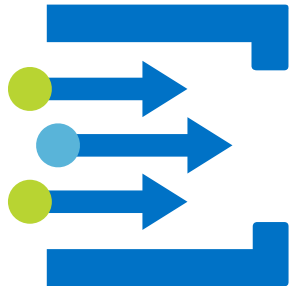
Functions



Logic Apps



Container Instances



Event Grid



API Management



Kubernetes

Azure Functions



Event-based programming model

Discrete functions

Supports multiple programming languages

Consumption model or add to App Service



Azure Functions

Triggers

Initiates function execution

May contain data

HTTP / Timer

Storage and Message services

Bindings

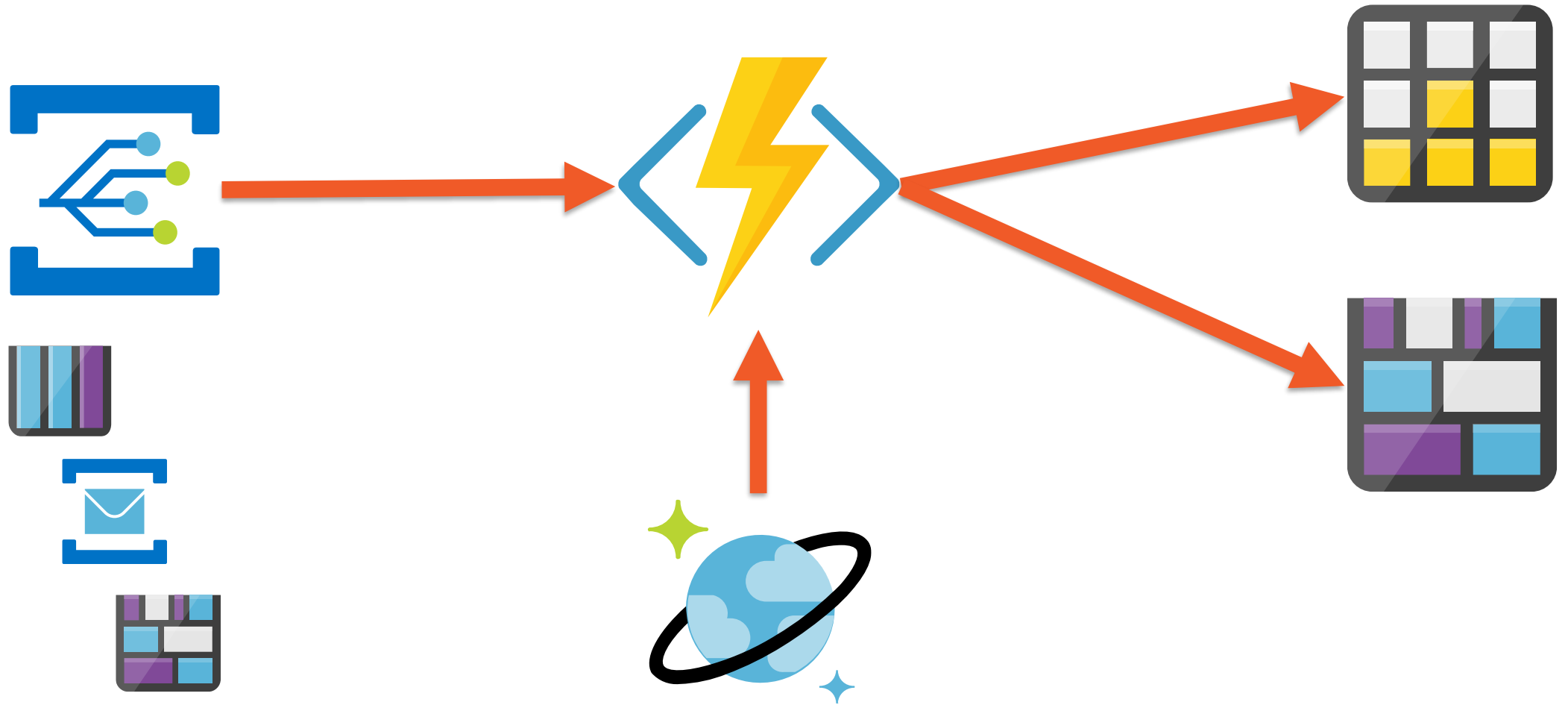
Simplified programming model

Input / Output

Multiple bindings possible per function



Azure Functions Example



Demo



Creating a Function in the portal

Building a Function in Visual Studio



Summary



Serverless computing epitomizes PaaS

Event-based Functions are one tool

Simplifies connections to resources

Full C# support with familiar model

