

Microsoft Azure Developer: Implement Azure Functions

INTRODUCING AZURE FUNCTIONS



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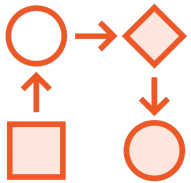
AZ-204 Implement Azure Functions Skills



Implement function triggers by using data operations, timers, and webhooks



Implement input and output bindings for a function



Implement Azure Durable Functions



Getting Started



What are Azure Functions?



Key terminology: e.g. “Serverless”, “Function App”



Create an Azure Function App in the Azure Portal



Azure Functions

A “serverless application platform”

A simple way to run small pieces of code (“functions”) in the cloud

A “Functions as a Service” (FaaS) platform



Serverless

Delegate server management responsibility to the cloud provider

Automatic scaling to meet demand

Billed only while your code is running



Azure Function App

One or more related Azure Functions, that are developed, deployed and hosted as a group



Azure Functions Choices



Choice of Programming Languages

C#

Java

JavaScript

Python

PowerShell

...others



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...others



Hosting Choices

Azure Functions usually run in a “**Service plan**” on **Azure App Service**

Consumption Plan

Serverless
Automatic scale
5 min limit

App Service Plan

**Traditional pricing
model**

Premium Plan

Speed
Security
Reserved instances

Docker container

On premises
In any cloud

Locally

**Development and
testing**



Development Environment Choices

Azure Portal

**Learning and
experiments**

Visual Studio

Windows and C#

Azure
Functions Core
Tools

**Cross-platform CLI
Visual Studio Code**



Demo



Create an Azure Function App in the
Azure Portal



Benefit from serverless
computing by hosting
Azure Functions in the
consumption plan





Try it yourself

Visit the Azure Portal and
create an Azure Function
App

