**Azure Functions**

Azure Functions is a serverless solution that allows you to write less code, maintain less infrastructure, and save on costs.   Instead of worrying about deploying and maintaining servers, the cloud infrastructure provides all the up-to-date resources needed to keep your applications running.

You focus on the code that matters most to you, in the most productive language for you, and Azure Functions handles the rest.

Functions provides a comprehensive set of event-driven [triggers and bindings](https://learn.microsoft.com/en-us/azure/azure-functions/functions-triggers-bindings) that connect your functions to other services without having to write extra code.

With Functions, you write your function code in your preferred language using your favorite development tools and then deploy your code to the Azure cloud. Functions provides native support for developing in [C#, Java, JavaScript, PowerShell, Python](https://learn.microsoft.com/en-us/azure/azure-functions/supported-languages), plus the ability to use [more languages](https://learn.microsoft.com/en-us/azure/azure-functions/functions-custom-handlers), such as Rust and Go.

**Scenarios**

We often build systems to react to a series of critical events. Whether you're building a web API, responding to database changes, processing event streams or messages, Azure Functions can be used to implement them.