# Creating Functions in Visual Studio

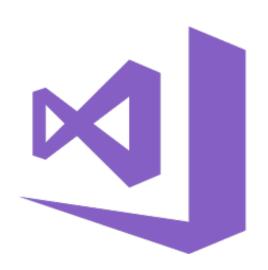


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## Visual Studio



### **Supports creating Azure Function apps**

- C#, JavaScript, F#

**IntelliSense** 

Debugging



### **Downloads**

Help me choose



#### Visual Studio 2019

Version 16.5

#### Release notes >

Full-featured integrated development environment (IDE) for Android, iOS, Windows, web, and cloud

Compare editions >

How to install offline >

#### Community

Powerful IDE, free for students, open-source contributors, and individuals

Free download ↓

#### Professional

Professional IDE best suited to small teams

#### Enterprise

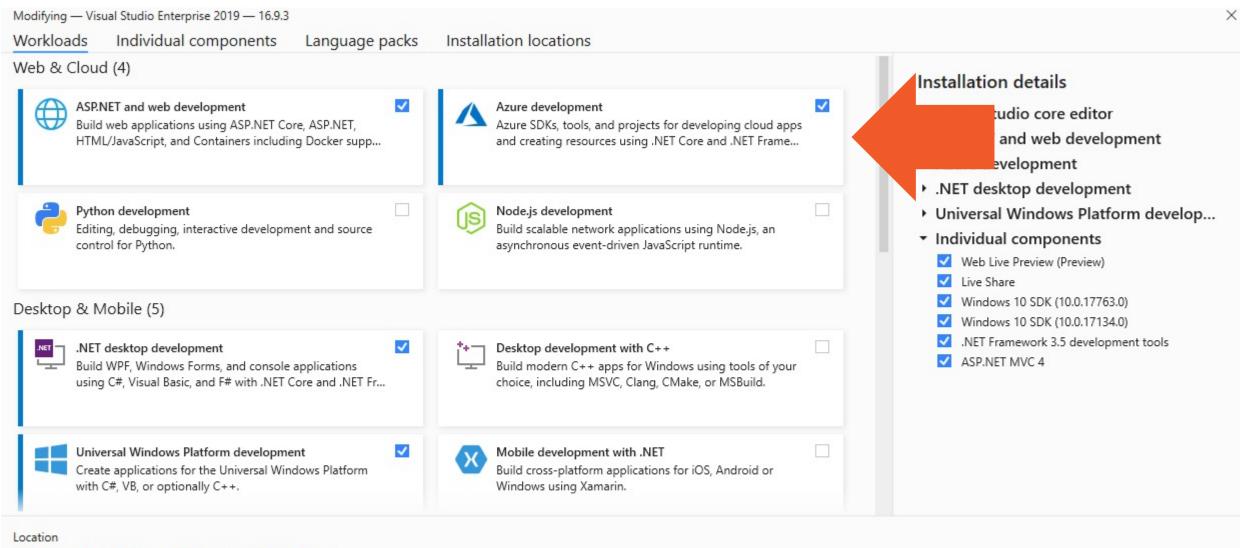
Scalable, end-to-end solution for teams of any size

Visual Studio Preview

Release notes >

Get early access to latest features not yet in the main release

Learn more >



C:\Program Files (x86)\Microsoft Visual Studio\2019\Enterprise

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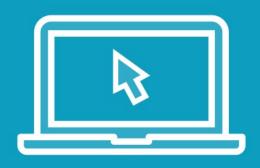
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Install while downloading .





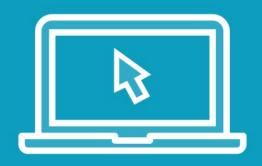
## Demo



**Create an Azure Function App in Visual Studio** 



## Demo



Add a new function to a Function App



## Azure Functions Logging Updates

### **Azure Functions v1**

TraceWriter (WebJobs SDK)

logger.Info("All is OK")

logger.Warning("Maybe trouble")

logger.Error("Uh-oh!")

### Azure Functions v2 & 3

ILogger (Microsoft.Extensions.Logging)

logger.LogInformation("All is OK")

logger.LogWarning("Maybe trouble")

logger.LogError("Uh-oh!")

https://github.com/markheath/serverless-funcs



## Demo



Test a function in Visual Studio



### Overview



### **Visual Studio**

### **Azure Functions**

- Based on .NET Core
- Auto-generates function.json

### Use built-in function templates

### Test locally

- Azure Storage Emulator
- Use Visual Studio debugger



# Up next: Create Azure Functions in Visual Code

