



What You Need

Prerequisites:

- Azure account: <https://portal.azure.com>
 - VS Code extensions installed:
 -  Azure Functions
 -  Azure Account
 - You've already created a **function app project** in VS Code
-

Step-by-Step: Deploy Azure Function from VS Code

◆ 1. Sign in to Azure

- Open **Command Palette**: Ctrl+Shift+P (or Cmd+Shift+P)
- Type:

mathematica

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Azure: Sign In

- Follow the browser prompt to log in
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◆ 2. Build Your Project

Make sure your project builds cleanly:

bash

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dotnet build

Or just press Ctrl+Shift+B in VS Code.

◆ 3. Deploy to Azure

- Open the **Azure sidebar** in VS Code (click the Azure icon in the left panel)
- Find **Functions → Workspace**
- Right-click your project folder → choose:

vbnet

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Deploy to Function App...

 **If Prompted:**

Prompt	Choose / Enter
Select Subscription	Your Azure subscription
Select Function App	Or create a new one
Runtime Stack	.NET Isolated or .NET (match your code)
Region	Closest to you or your users
Overwrite existing app? Yes (if this is a redeploy)	

☒ VS Code will package and publish your app.

◆ 4. Add App Settings in Azure

Go to [Azure Portal](#):

- Navigate to your **Function App**
- Go to **Configuration** → **Application Settings**
- Add these:

Name	Value
IoTHubConnection	<i>(Your Event Hub-compatible string)</i>
SqlConnectionString	<i>(Your Azure SQL DB connection string)</i>

Click **Save**.

◆ 5. Confirm It's Running

Once deployed:

- Go to the **Function App** in Azure Portal
- Click on **Functions** → your function → click **Monitor**
- Watch for **successful executions** after devices send telemetry



Your Azure Function is now:

- Live on Azure
- Listening to IoT Hub telemetry
- Storing it in Azure SQL Database 🍌