**Documentation**

**Overview:**  
  
This project showcases how to build, containerize, and deploy a simple **.NET 9 Web API** to **Azure Container Apps** using modern DevOps practices.

It follows a clean, automated workflow powered by:

* **Docker:** for packaging the application into a lightweight container image
* **Terraform:** for defining and provisioning Azure infrastructure as code (IaC)
* **GitHub Actions:** for setting up a continuous integration and deployment (CI/CD) pipeline

The core of the application is a **minimal ASP.NET Core API** that responds with *“Hello World!”* when accessed through the root endpoint making it perfect for demonstrating the full containerization and deployment process end-to-end.

**Structure:**A screenshot of a computer

AI-generated content may be incorrect.

**Code:** The complete source code, Dockerfile, Terraform configuration, and GitHub Actions workflow for this project are available in my public GitHub repository:

**Link:** <https://github.com/mani7reddy/dotnethelloworld>

You can clone the repository and explore the full setup, including the infrastructure-as-code and deployment pipeline configuration.

**Output:**

I have successfully deployed a .NET 9 Hello World app as a container running in Azure Container Apps.

The app is live at <https://dotnethelloworld-dev.mangomeadow-5f991997.eastus.azurecontainerapps.io/>

A screenshot of a computer

AI-generated content may be incorrect.