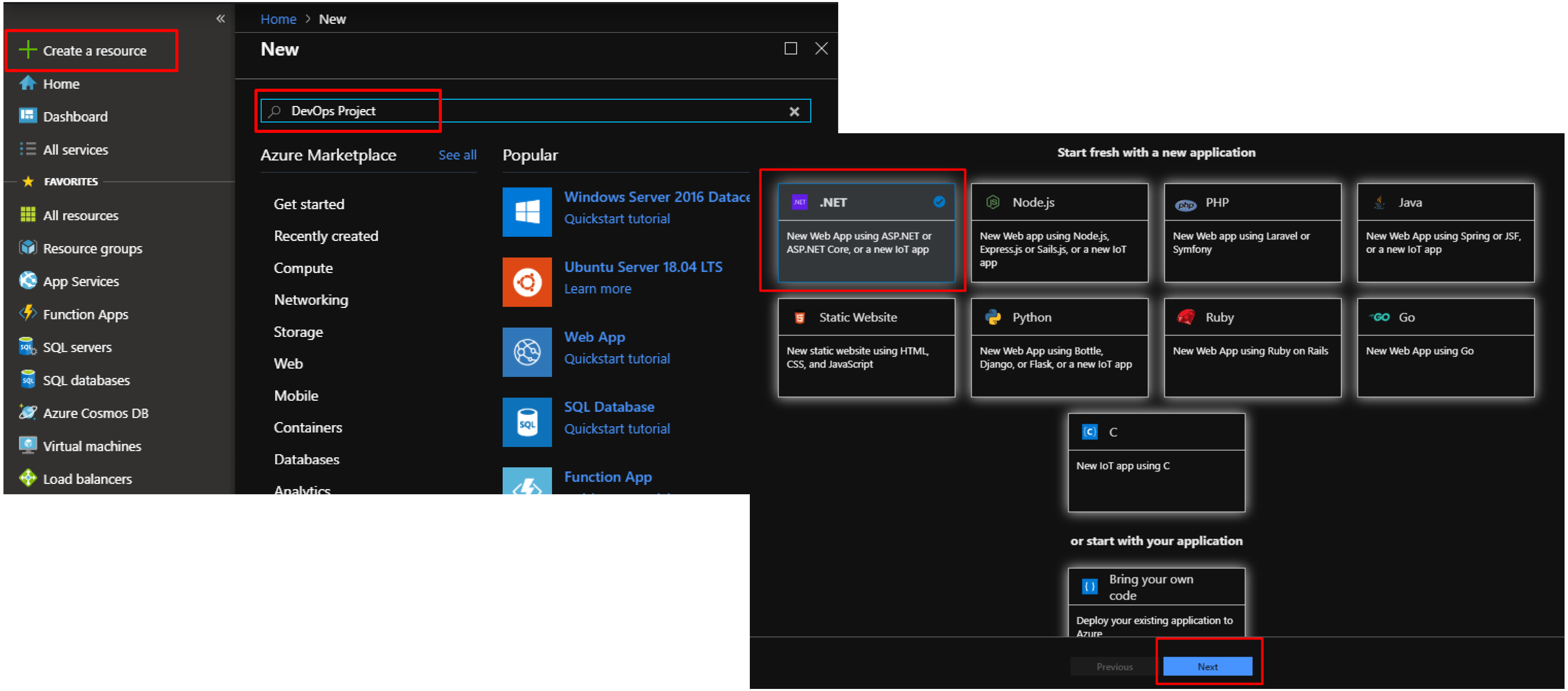
Build a CI/CD Pipeline

Step 1. Create Azure DevOps Project
https://portal.azure.com



Create a resource

Home

Dashboard

All services

FAVORITES

All resources

Resource groups

App Services

Function Apps

SQL servers

SQL databases

Azure Cosmos DB

Virtual machines

Load balancers

Home > New

New

DevOps Project

Azure Marketplace See all

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Windows Server 2016 Datace
Quickstart tutorial

Ubuntu Server 18.04 LTS
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Web App
Quickstart tutorial

SQL Database
Quickstart tutorial

Function App

Start fresh with a new application

.NET
New Web App using ASP.NET or ASP.NET Core, or a new IoT app

Node.js
New Web app using Node.js, Express.js or Sails.js, or a new IoT app

PHP
New Web app using Laravel or Symfony

Java
New Web App using Spring or JSF, or a new IoT app

Static Website
New static website using HTML, CSS, and JavaScript

Python
New Web App using Bottle, Django, or Flask, or a new IoT app

Ruby
New Web App using Ruby on Rails

Go
New Web App using Go

C
New IoT app using C

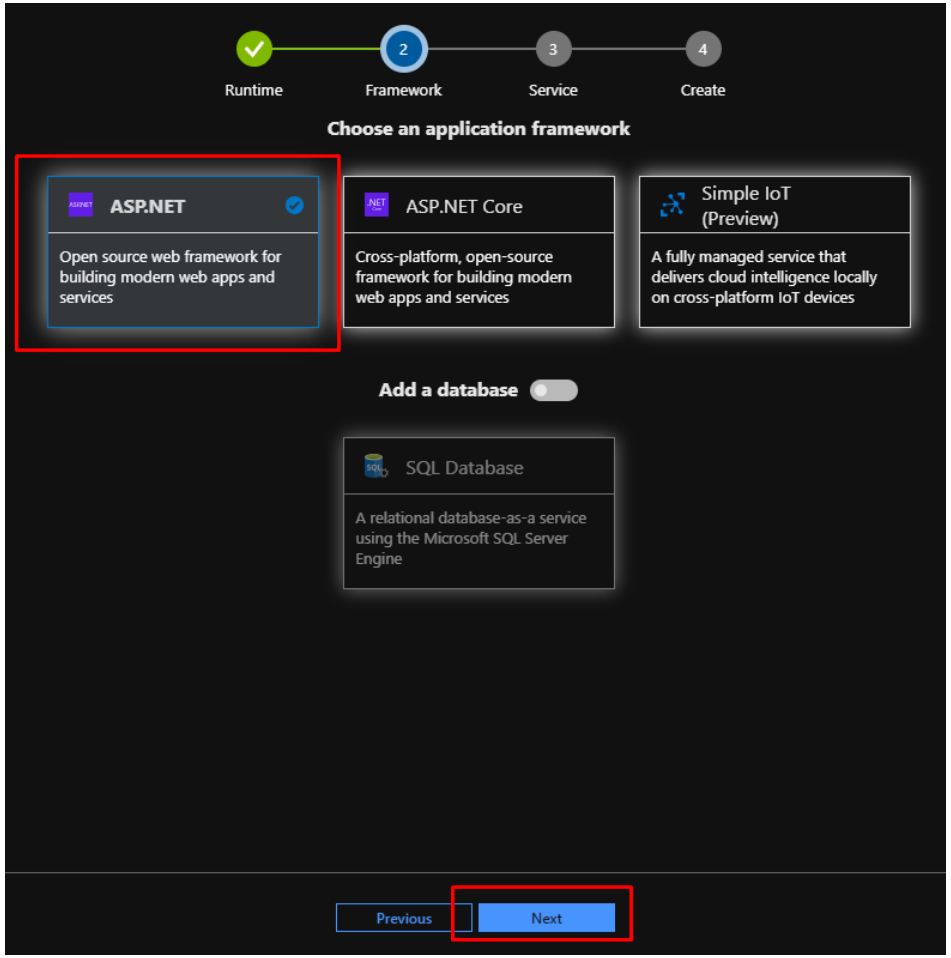
or start with your application

Bring your own code
Deploy your existing application to Azure

Previous

Next

Step 2. Application Framework & Host



Choose an application framework

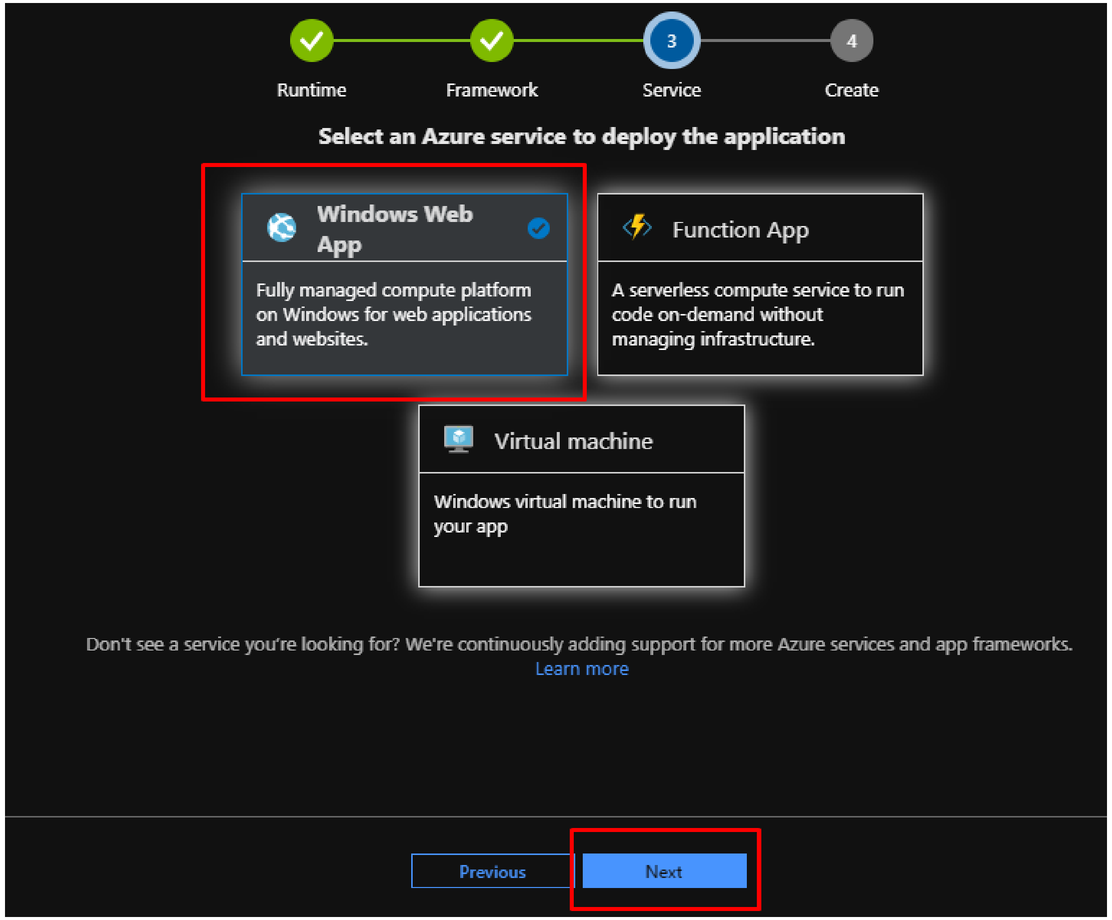
ASP.NET ✓
Open source web framework for building modern web apps and services

ASP.NET Core
Cross-platform, open-source framework for building modern web apps and services

Simple IoT (Preview)
A fully managed service that delivers cloud intelligence locally on cross-platform IoT devices

Add a database ○

SQL Database
A relational database-as-a service using the Microsoft SQL Server Engine



Select an Azure service to deploy the application

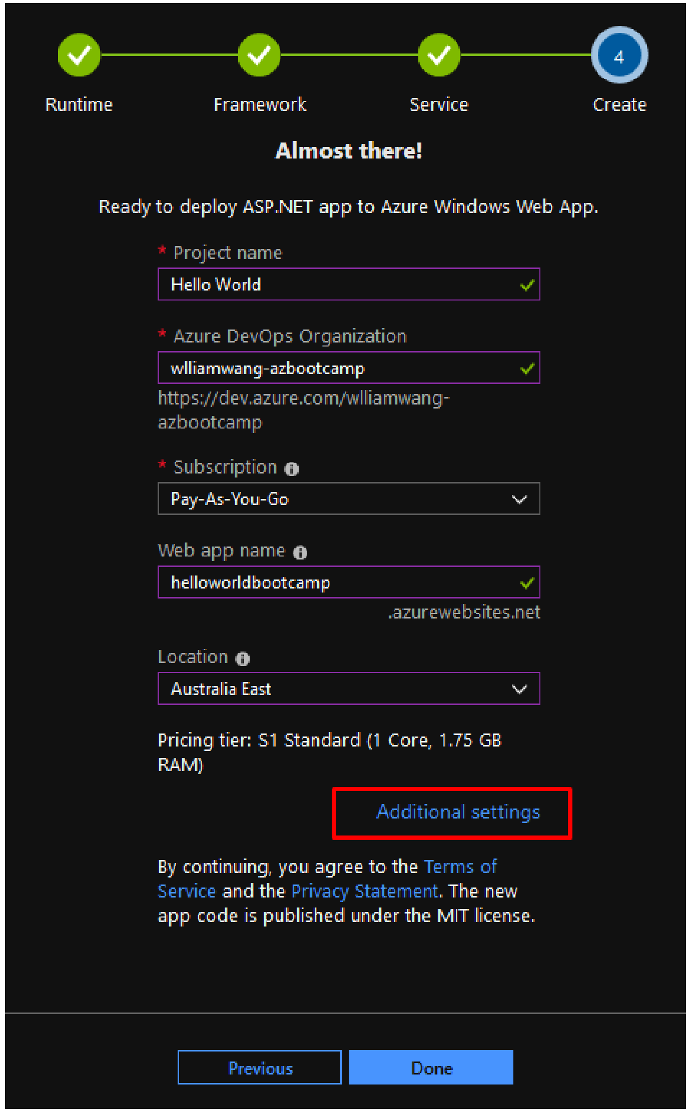
Windows Web App ✓
Fully managed compute platform on Windows for web applications and websites.

Function App
A serverless compute service to run code on-demand without managing infrastructure.

Virtual machine
Windows virtual machine to run your app

Don't see a service you're looking for? We're continuously adding support for more Azure services and app frameworks.
Learn more

Step 3. Complete Project Settings



Almost there!

Ready to deploy ASP.NET app to Azure Windows Web App.

* Project name

Hello World ✓

* Azure DevOps Organization

wlliamwang-azbootcamp ✓

https://dev.azure.com/wlliamwang-azbootcamp

* Subscription

Pay-As-You-Go

Web app name

helloworldbootcamp ✓

.azurewebsites.net

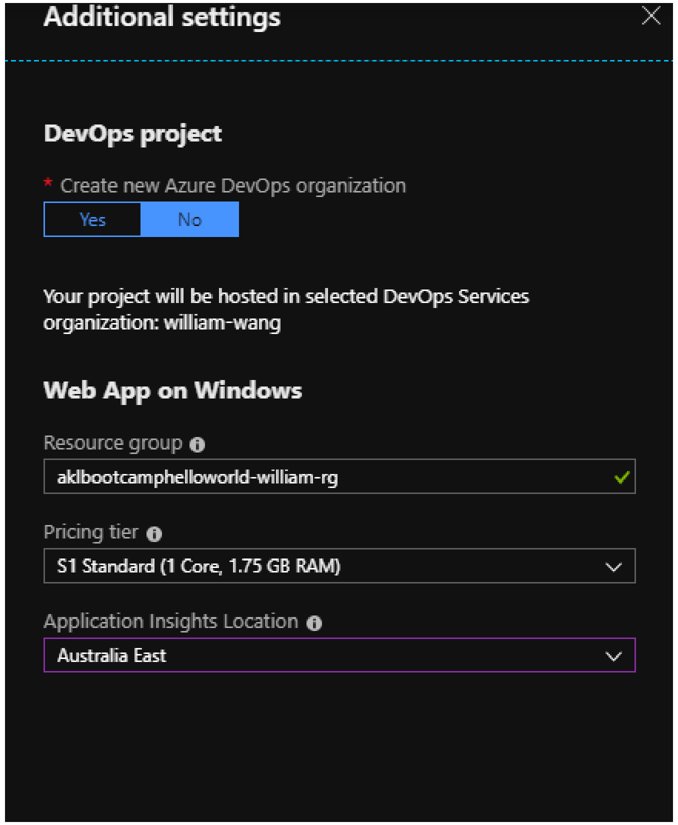
Location

Australia East

Pricing tier: S1 Standard (1 Core, 1.75 GB RAM)

Additional settings

By continuing, you agree to the Terms of Service and the Privacy Statement. The new app code is published under the MIT license.



Additional settings

DevOps project

* Create new Azure DevOps organization

Yes [✓ No]

Your project will be hosted in selected DevOps Services organization: william-wang

Web App on Windows

Resource group

aklbootcamphelloworld-william-rg ✓

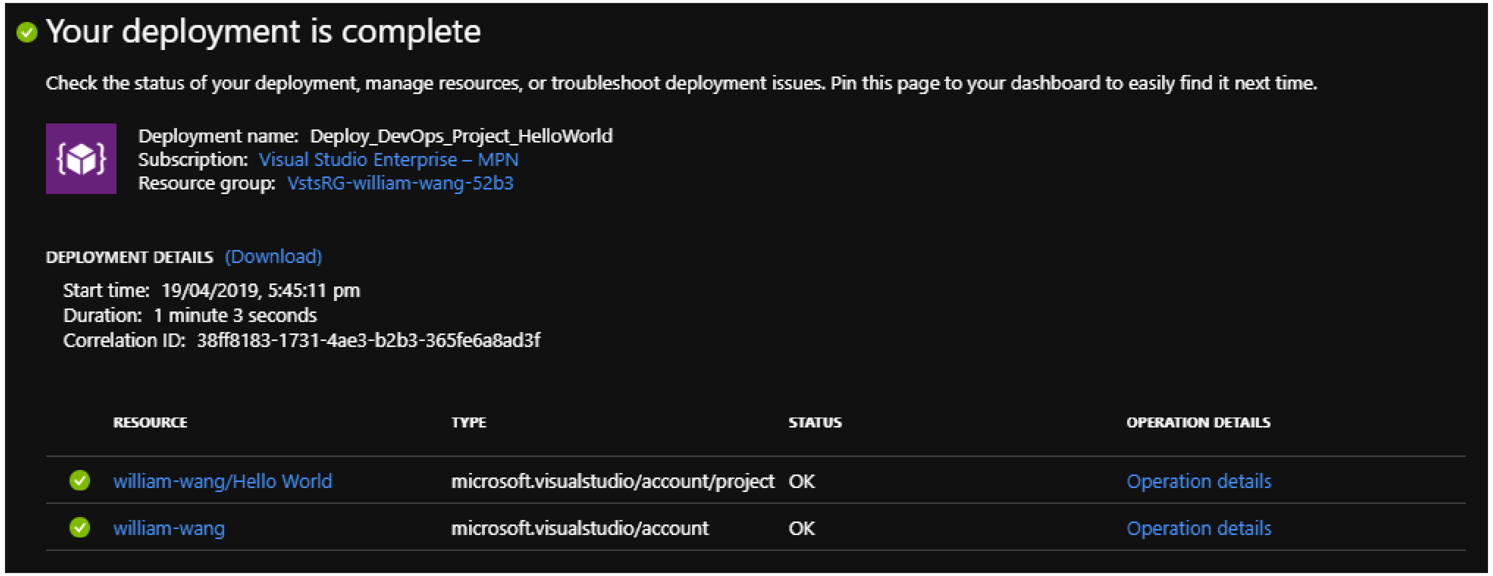
Pricing tier

S1 Standard (1 Core, 1.75 GB RAM)

Application Insights Location

Australia East

Step 4. Deployment Complete



✓ Your deployment is complete

Check the status of your deployment, manage resources, or troubleshoot deployment issues. Pin this page to your dashboard to easily find it next time.

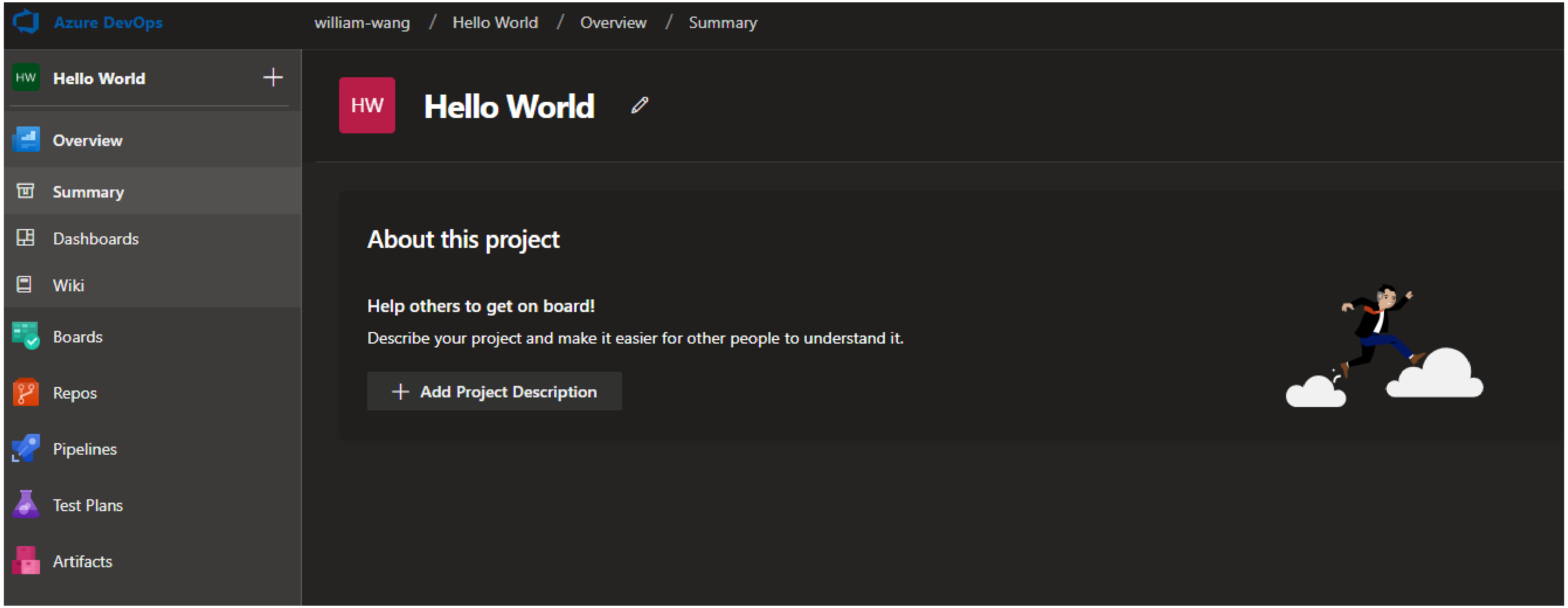
Deployment name: Deploy_DevOps_Project_HelloWorld
Subscription: Visual Studio Enterprise – MPN
Resource group: VstsRG-william-wang-52b3

DEPLOYMENT DETAILS (Download)

Start time: 19/04/2019, 5:45:11 pm
Duration: 1 minute 3 seconds
Correlation ID: 38ff8183-1731-4ae3-b2b3-365fe6a8ad3f

	RESOURCE	TYPE	STATUS	OPERATION DETAILS
✓	william-wang/Hello World	microsoft.visualstudio/account/project	OK	Operation details
✓	william-wang	microsoft.visualstudio/account	OK	Operation details

Step 5. Azure DevOps Portal https://dev.azure.com/william-wang

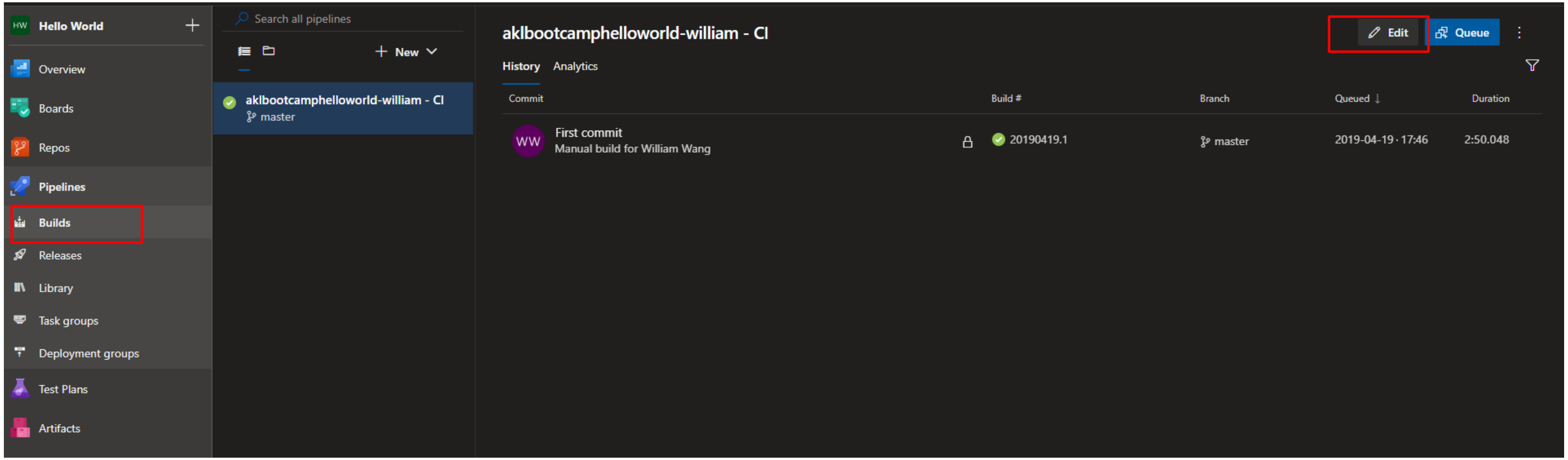


About this project

Help others to get on board!

Describe your project and make it easier for other people to understand it.

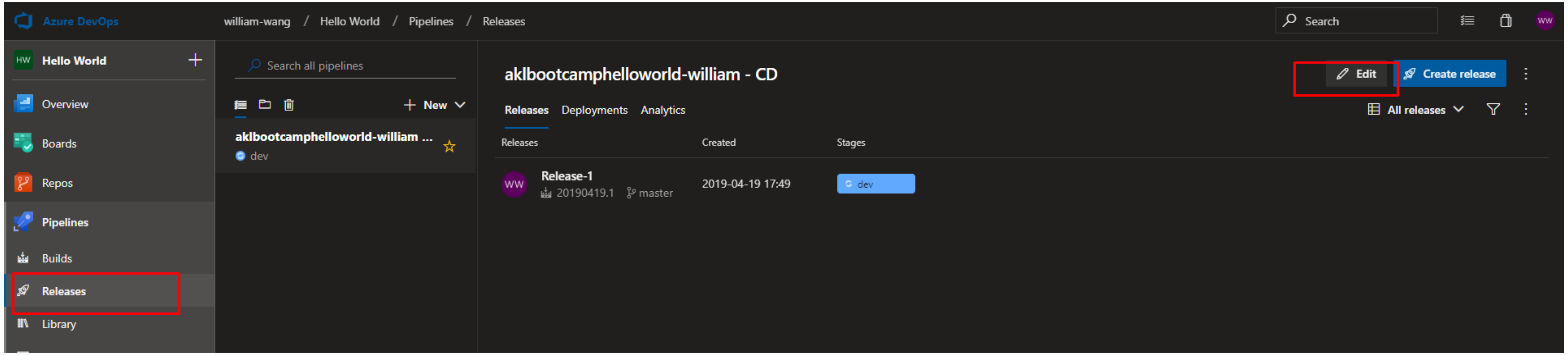
Step 6. CI/CD Pipeline



aklbootcamphelloworld-william - CI
master

aklbootcamphelloworld-william - CI

Commit		Build #	Branch	Queued	Duration
WW First commit Manual build for William Wang		20190419.1	master	2019-04-19 · 17:46	2:50.048

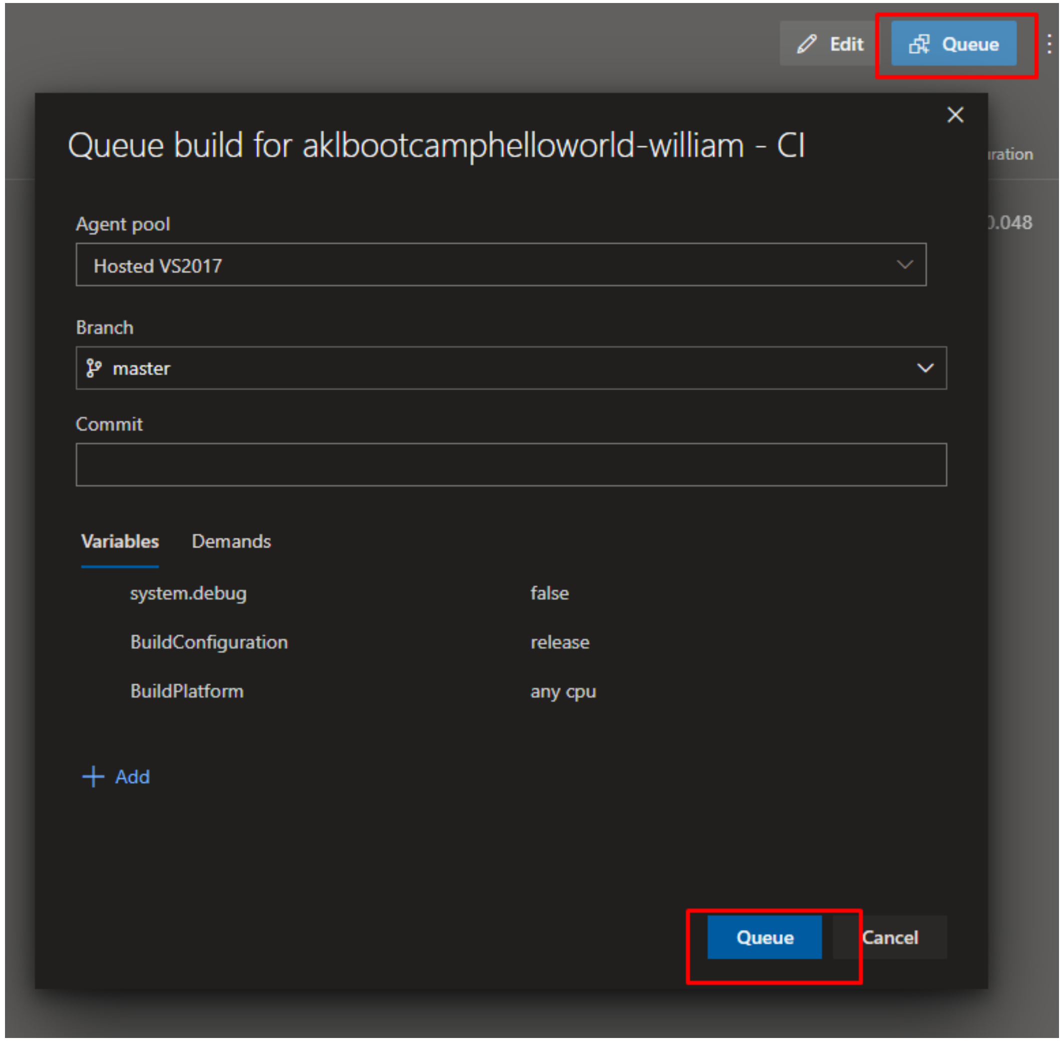


aklbootcamphelloworld-william ...
dev

aklbootcamphelloworld-william - CD

Releases	Created	Stages
WW Release-1 20190419.1 master	2019-04-19 17:49	dev

Step 7. Build & Release



Queue build for aklbootcamphelloworld-william - CI

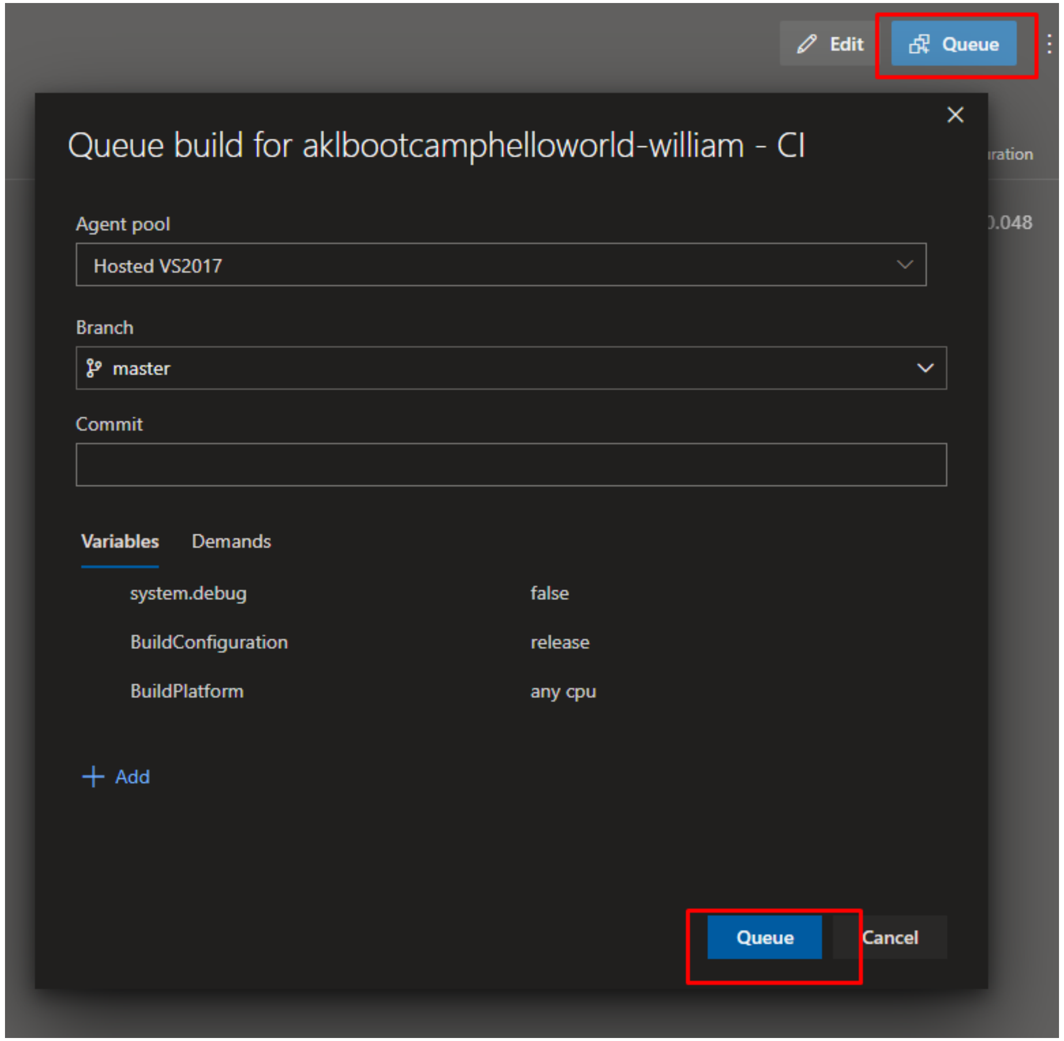
Agent pool: Hosted VS2017

Branch: master

Commit:

Variables	
system.debug	false
BuildConfiguration	release
BuildPlatform	any cpu

Step 8. Build & Release



Queue build for aklbootcamphelloworld-william - CI

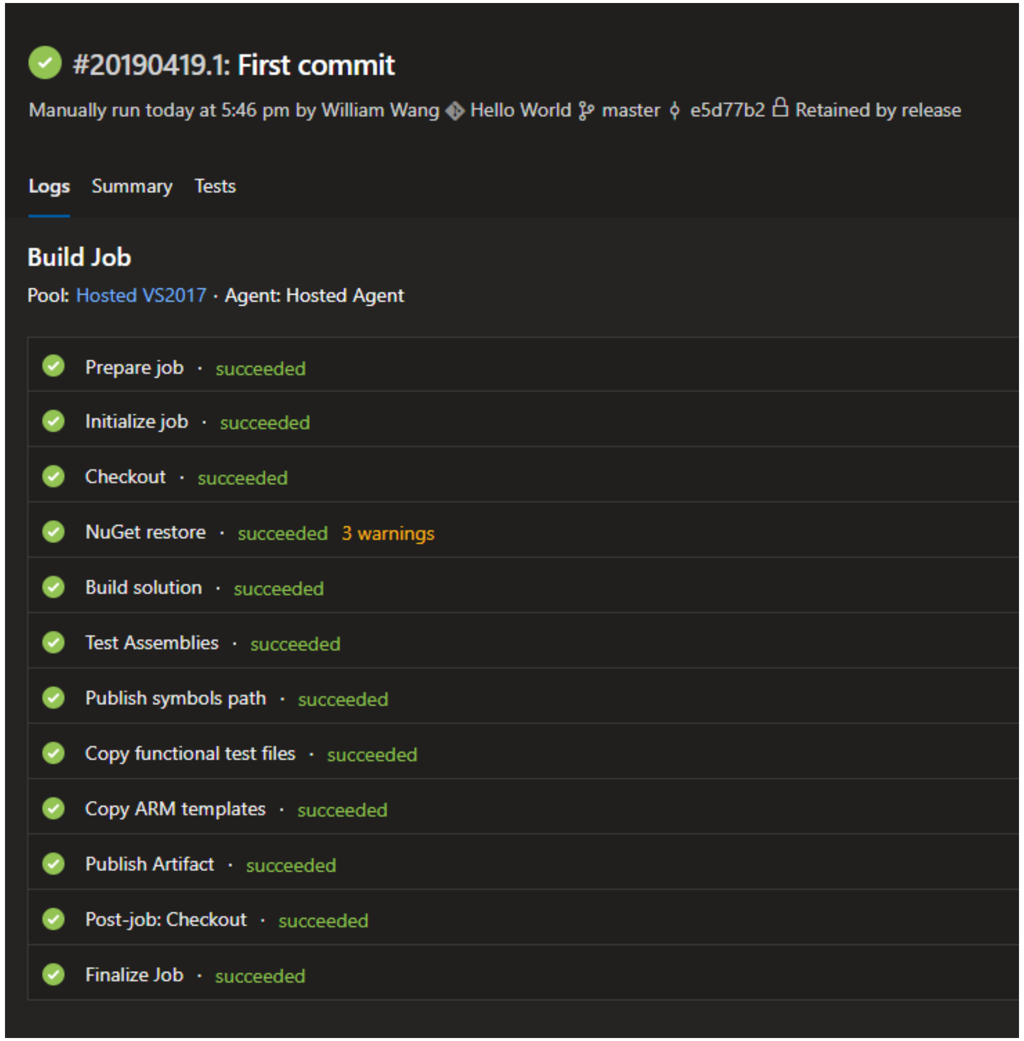
Agent pool: Hosted VS2017

Branch: master

Commit:

Variables | Demands

system.debug	false
BuildConfiguration	release
BuildPlatform	any cpu



#20190419.1: First commit

Manually run today at 5:46 pm by William Wang Hello World master e5d77b2 Retained by release

Build Job

Pool: Hosted VS2017 · Agent: Hosted Agent

- Prepare job · succeeded
- Initialize job · succeeded
- Checkout · succeeded
- NuGet restore · succeeded 3 warnings
- Build solution · succeeded
- Test Assemblies · succeeded
- Publish symbols path · succeeded
- Copy functional test files · succeeded
- Copy ARM templates · succeeded
- Publish Artifact · succeeded
- Post-job: Checkout · succeeded
- Finalize Job · succeeded