

1.


The screenshot shows the Microsoft Azure portal interface. At the top, the URL is <https://portal.azure.com/#home>. The search bar contains the text "DevOps". A dropdown menu is open, showing "Services" with the following options: "DevOps Starter" (highlighted with a red box), "Azure DevOps organizations", and "Static Web Apps". Below the search bar, the "DevOps Starter" page is displayed. It includes a "Create" button (highlighted with a red box), a "Manage view" dropdown, and a "Refresh" button. There are also links for "Export to CSV", "Open query", "Assign tags", and "Feedback". A filter bar shows "Subscription == all", "Resource Group Name == all", and "Location == all". Below the filter bar, it says "Showing 0 to 0 of 0 records." At the bottom, there is a large graphic with the text "No DevOps starter to display" and "Try changing or clearing your filters." A "Create DevOps starter" button is highlighted with a red box.


2. By default DevOps Starter project setup with GitHub. Click on change settings **here** to change the destination to Azure DevOps and click **Done**

The screenshot shows the "DevOps starter settings" dialog box. It has a close button (X) in the top right corner. The dialog box contains two options: "Azure DevOps" (selected with a blue checkmark and highlighted with a red box) and "GitHub". Below the "Azure DevOps" option, it says "Build, test and deploy with your code in Azure repos and CI/CD using Azure Pipelines". Below the "GitHub" option, it says "Build, test and deploy with your code in GitHub repo and CI/CD using GitHub Actions". At the bottom right of the dialog box, there is a "Done" button highlighted with a red box. In the background, the "DevOps Starter" page is visible, showing a "here" link highlighted with a red box.










3. Now select the **.NET** sample application and click **Next**.

Home > DevOps Starter >

 **DevOps Starter** ...
Create

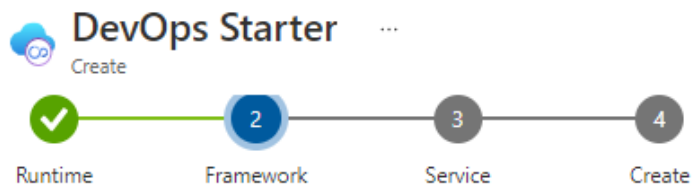
 Launch an app running in Azure in a few quick steps
Everything you need, created and ready to go: code repository, CI/CD pipeline or Github Workflow, and the necessary Azure resources.

✔ Setting up DevOps starter with GitHub, change settings [here](#)

 .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 simple PHP	 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	 Ruby New Web App using Ruby on Rails	 Go New Web App using Go

We are continuously adding support for more scenarios. Stay tuned!

Next: Framework >



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 A fully managed service that delivers cloud intelligence locally on cross-platform IoT devices
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Add a database ☒

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

< Previous **Next: Service >**

4. Web App on Windows is the default deployment target. You can optionally choose Virtual Machine also. When you're done, choose **Next**.



DevOps Starter ...

Create



Runtime



Framework



Service



Create

Select an Azure service to deploy the application



Windows Web App ✓

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



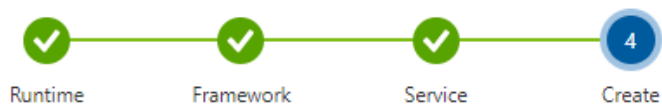
Virtual machine

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](#)

< Previous

Next: Create >



Almost there!

Ready to deploy ASP.NET Core app to Azure Windows Web App, with SQL Database.

Project name *	<input type="text" value="dotnetdevops"/> ✓
Azure DevOps Organization *	<input type="text" value=""/> ▼
Subscription * ⓘ	<input type="text" value="Visual Studio Enterprise"/> ▼
Web app name * ⓘ	<input type="text" value="dotnetdevops1234"/> ✓ azurewebsites.net
Location ⓘ	<input type="text" value="South Central US"/> ▼

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.

< Previous

Review + Create

✓

Runtime

✓

Framework

✓

Service

4

Create

Almost there!

Ready to deploy ASP.NET app to Azure Windows Web App, with SQL Database.

Project name

dotnetdevops

Azure DevOps Organization

Subscription

Visual Studio Enterprise

Web app name

dotnetdevops2006

.azurewebsites.net

Location

South Central US

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.

Previous

Done

Additional settings

Create new Azure DevOps organization

Yes

No

Your project will be hosted in selected DevOps Services organization: AzureDevOpsDemoGen

Web App on Windows

Resource group

dotnetdevops2006-rg

Pricing tier

S1 Standard (1 Core, 1.75 GB RAM)

Application Insights Location

South Central US

Database Server Login Details

Server name

dotnetdevops-server

.database.windows.net

Enter username

dbadmin

Location

South Central US

Database Name

dotnetdevops2006-db

OK

✓ Your deployment is complete



Deployment name: Deploy_DevOps_Project_dotnetdevops
Subscription: Visual Studio Enterprise
Resource group: VstsRG-k-7efb

✓ Deployment details (Download)

^ Next steps

Go to resource

dotnetdevops DevOps Starter

Refresh Project homepage Repositories Build pipelines Release pipelines Agile backlogs Users & groups Delete

CI/CD pipeline

Code
dotnetdevops master
8e14cff6 First commit azuredevopsproject 3 wk ago

Build
dotnetdevops1208 - CI
Build 20211208.1 Succeeded 3 min ago
1/1 tests passed

dev
dotnetdevops1208 - CD
Release-1 In progress 2 min ago

Repository

dotnetdevops
No commit in the past 7 days

Azure resources

Application endpoint
<https://dotnetdevops1208.azurewebsites.net> [Browse](#)

App Service SQL Database
dotnetdevops1208
Running

Application Insights

dotnetdevops1208

Azure resources

Application endpoint

<https://dotnetdevops1208.azurewebsites.net>

[Browse](#)

App Service

SQL Database

dotnetdevops1208

Running

← → ↻ <https://dotnetdevops1208.azurewebsites.net> Search Star Bookmarks

ASP.NET Core Home About Contact

Use this space to summarize your privacy and cookie use policy. [Learn More.](#) [Accept](#)

Get started right away

Clone your code repository and start developing your application on IDE of your choice

[Learn more »](#)

Continuous Delivery

View your CI/CD pipeline on Azure DevOps and customize it as per your needs

[Learn more »](#)

Azure DevOps Project

Learn more about all you can do with Azure DevOps project by visiting the documentation



[Learn more »](#)

CI/CD pipelines configured by Azure DevOps Project

Pipelines


[Recent](#) [All](#) [Runs](#) [New pipeline](#) [Filter pipelines](#)

Recently run pipelines

Pipeline	Last run
 dotnetdevops1208 - CI	#20211208.1 • First commit Other build reason  master

10m ago
2m 17s

[Edit](#)
[Run pipeline](#)
[Manage security](#)
[Rename/move](#)
[Delete](#)









 ... > dotnetdevops1208 - CI

[Tasks](#) [Variables](#) [Triggers](#) [Options](#) [History](#) | [Save & queue](#) [Discard](#) [Summary](#) [Queue](#) ...

Get sources

dotnetdevops master

Agent job 1
Run on agent

-  Restore
.NET Core
-  Build
.NET Core
-  **Test**
.NET Core
-  Publish
.NET Core
-  Publish functional tests
.NET Core
-  Copy runsettings file
Copy files
-  Copy ARM templates
Copy files
-  Copy Database File
Copy files

Name *

dotnetdevops1208 - CI

Agent pool [Pool information](#) [Manage](#)
Azure Pipelines

Agent Specification *

windows-2019

Parameters [Unlink all](#)

Project(s) to restore and build

**/*.csproj

Project(s) to test

**/*UnitTests/*.csproj

dotnetdevops1208 - CI

Tasks Variables **Triggers** Options History | Save & queue Discard Summary Queue ...

Continuous integration

dotnetdevops
Enabled

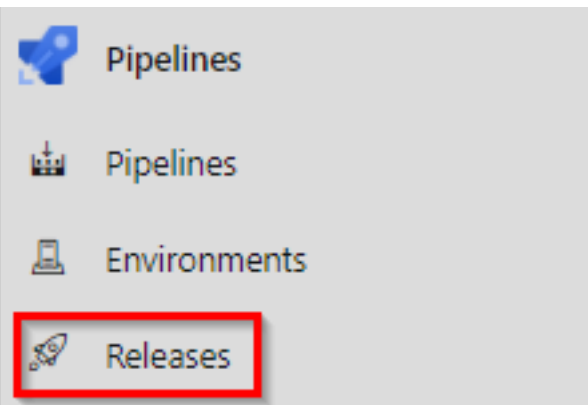
dotnetdevops

☒ Enable continuous integration

☒ Batch changes while a build is in progress

Scheduled

+ Add



Search all pipelines

dotnetdevops1208 - CD

Edit

Create release

Releases Deployments Analytics

All releases

dotnetdevops1208 - CD
dev

Release-1
20211208... master

Created

Stages

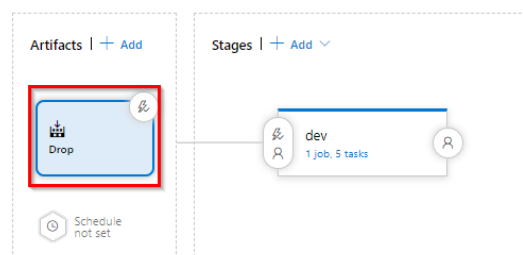
12/8/2021, 12:37:24 PM

dev

All pipelines > dotnetdevops1208 - CD

Save Create release View releases ...

Pipeline Tasks Variables Retention Options History



Artifact

Build - Drop

Delete ...

Project *

dotnetdevops1208

Source (build pipeline) *

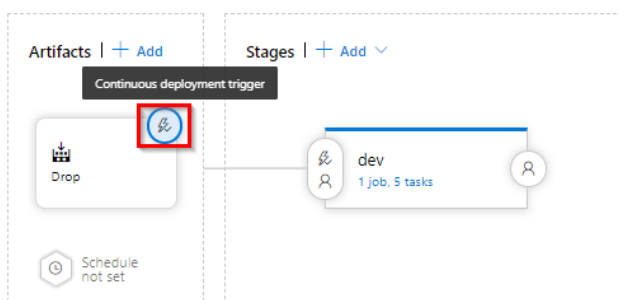
dotnetdevops1208 - CI

Default version *

Latest

Source alias *

Drop



Continuous deployment trigger

Build: Drop

☒ Enabled

Creates a release every time a new build is available.

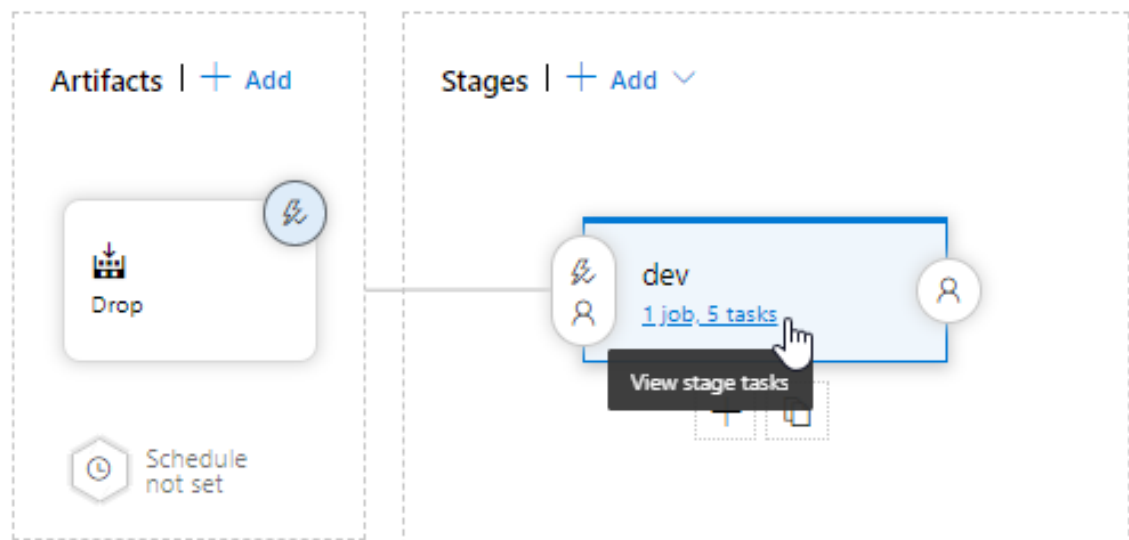
Build branch filters

No filters added.

+ Add

Pull request trigger

Build: Drop



Pipeline **Tasks** ▾ Variables Retention Options History

dev ...
Deployment process

Agent phase +
 Run on agent

- Azure Deployment: Create Azure Resources**
Azure Resource Group Deployment
- Deploy Azure App Service**
 Azure App Service Deploy
- Execute Azure SQL**
Azure SQL Database deployment
- Visual Studio Test Platform Installer**
Visual Studio Test Platform Installer
- Test Assemblies**
Visual Studio Test

Save Create release **View releases** ...

Releases Deployments Analytics

Releases

Created

Stages



Release-1

20190... master

6/20/2019, 11:36:15 AM

dev

Pipeline

Variables

History

+ Deploy

Cancel

Refresh

Edit

...

Release

Continuous deployment

for Sriramdas Balaji
6/20/2019, 11:36 AM

Artifacts



Drop
20190620.1
master

Stages

dev

Succeeded

on 6/20/2019, 11:43 AM

100%

Redeploy

Logs