

Azure Devops Setup

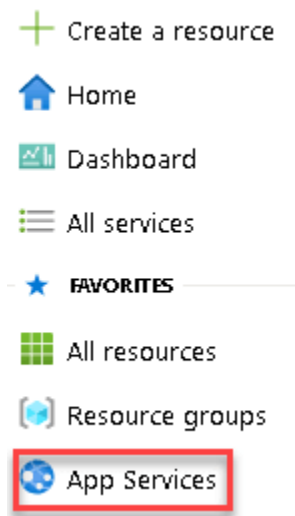
To Log in Devops Portal- <https://solomoncoyle.visualstudio.com/>

Prerequisites

- SQL Server Database
- Account on [Azure DevOps Services](#) and [Azure Portal](#)

Create Azure App Service

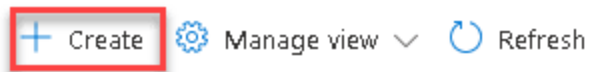
From the sidebar, select **App Services**.



Click on **Create**.

App Services ...

Student Ambassadors (stdntpartners.onmicrosoft.com)



Follow these steps:

- Select the Resource group Or Create New One
- **Name:** specify a unique name
- **Runtime stack:** .NET v4.0
- **Operating System:** Windows

[Home](#) > [App Services](#) >

Create Web App

Subscription * ⓘ

Azure subscription Quisitive

Resource Group * ⓘ

ddfa

[Create new](#)

Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name *

ddfa

.azurewebsites.net

Publish *

☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack *

ASP.NET V4.8

Operating System *

☐ Linux ☒ Windows

Region *

East US

ⓘ Not finding your App Service Plan? Try a different region or select your App Service Environment.

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Windows Plan (East US) * ⓘ

ddfa-serviceplan (B1)

[Create new](#)

Pricing plan

Basic B1 (100 total ACU, 1.75 GB memory, 1 vCPU)

Review + create

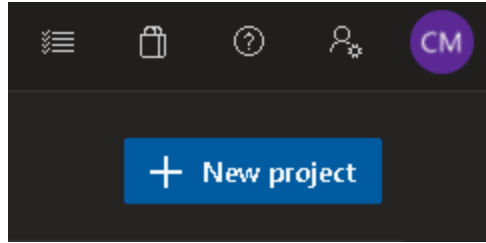
< Previous

Next : Deployment >

Then, click on **Review + create**.

Create a project on Azure DevOps and create Build and Release pipelines

Go to Azure DevOps Services. At the right, click on **New project**.



Specify a project name. Select the visibility you want. Click on **Create**.

Create new project


Project name *

Store API

✓


Description

Visibility



Public

Anyone on the internet can view the project. Certain features like TFVC are not supported.



Private

Only people you give access to will be able to view this project.

^ Advanced

Version control ?

Git

✓

Work item process ?

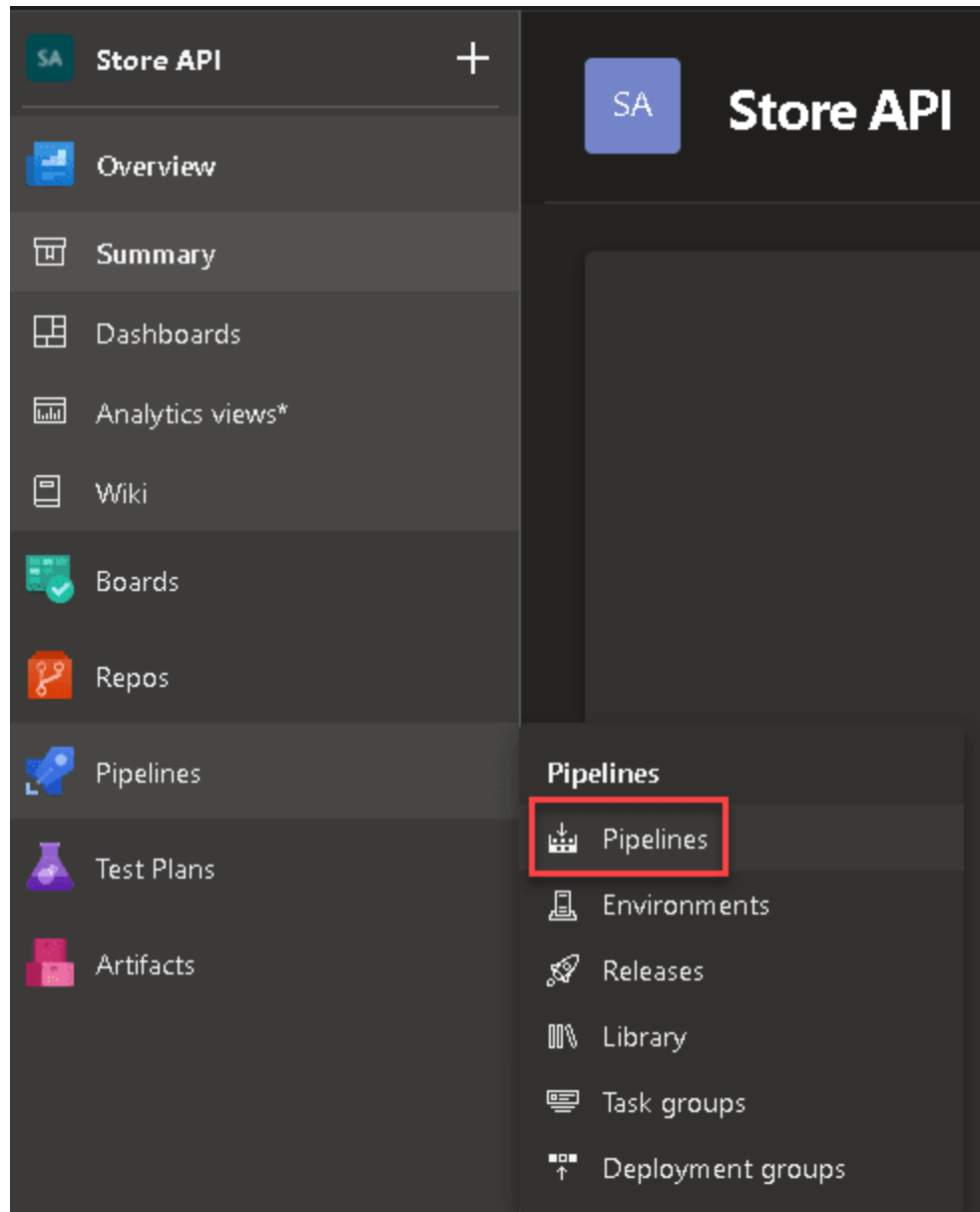
Basic

✓

Cancel

Create

Go to **Pipelines**, click on **Pipelines**.



Click on **Create Pipeline**.



Create your first Pipeline

Automate your build and release processes using our wizard, and go from code to cloud-hosted within minutes.

Create Pipeline



DDFA

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

Test Plans

Artifacts

Connect

Select

Configure

Review

New pipeline

Where is your code?



Azure Repos Git

YAML

Free private Git repositories, pull requests, and code search



Bitbucket Cloud

YAML

Hosted by Atlassian



GitHub

YAML

Home to the world's largest community of developers



GitHub Enterprise Server

YAML

The self-hosted version of GitHub Enterprise



Other Git

Any generic Git repository



Subversion

Centralized version control by Apache

Use the classic editor to create a pipeline without YAML.

DDFA

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Select your repository

Tell us where your sources are.
You can customize how to get these sources from the repository later.

Select a source

Azure Repos Git

TFVC

GitHub

GitHub Enterprise Server

Subversion

Bitbucket Cloud

Other Git

Team project

DDFA

Repository

DDFA

Default branch for manual and scheduled builds

main

Continue

DDFA

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Choose a template

Choose a template that builds your kind of app.
Don't worry if it's not an exact match;
you can add and customize the tasks later.

Select a template

Or start with an [Empty job](#)

Search

Configuration as code

YAML

Looking for a better experience to configure your pipelines using YAML files? Try the new YAML pipeline creation experience. [Learn more](#)

Featured

.NET Desktop

Build and test a .NET or Windows classic desktop solution.

Android

Build, test, sign, and align an Android APK.

ASP.NET

Build and test an ASP.NET web application.

Azure Web App for ASP.NET

Build, package, test, and deploy an ASP.NET Azure Web App.

Docker container

Build a Docker image and push it to a container registry.

Select ASP.net Template

DDFA

Overview

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DDFA-ASP.NET-CI

Tasks

Variables

Triggers

Options

History

Save & queue

Discard

Summary

Queue

Pipeline

Build pipeline

Get sources

DDFA

main

Agent job 1

Run on agent

Use NuGet 4.4.1

NuGet tool installer

NuGet restore

NuGet

Build solution

Visual Studio build

Test Assemblies

Visual Studio Test

Publish symbols path

Index sources and publish symbols

Publish Artifact

Publish build artifacts

Name *

DDFA-ASP.NET-CI

Agent pool

Pool information

Manage

Azure Pipelines

Agent Specification *

windows-latest

Parameters

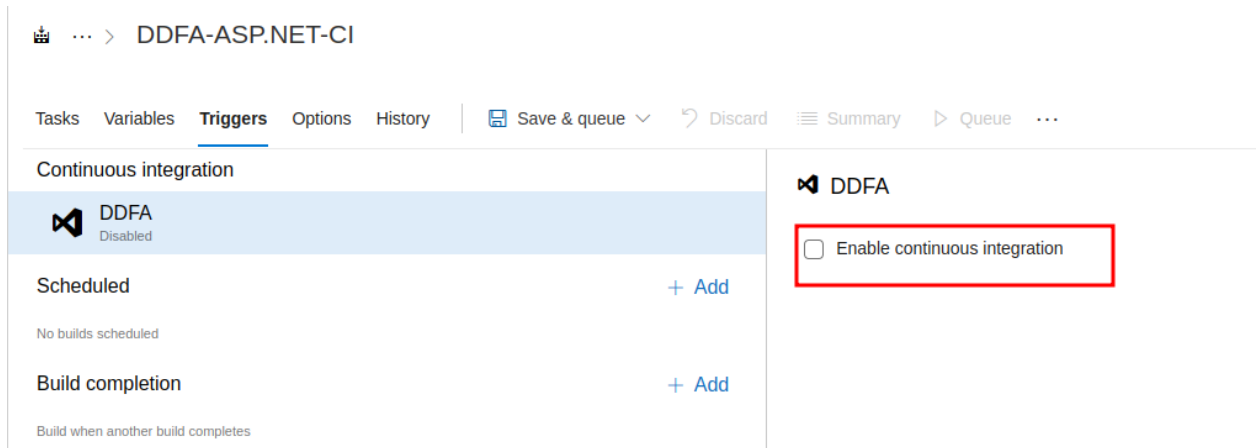
Unlink all

Path to solution or packages.config *

***.sln

Artifact Name *

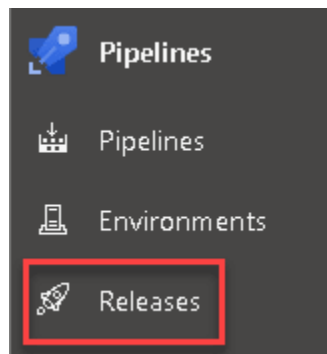
drop



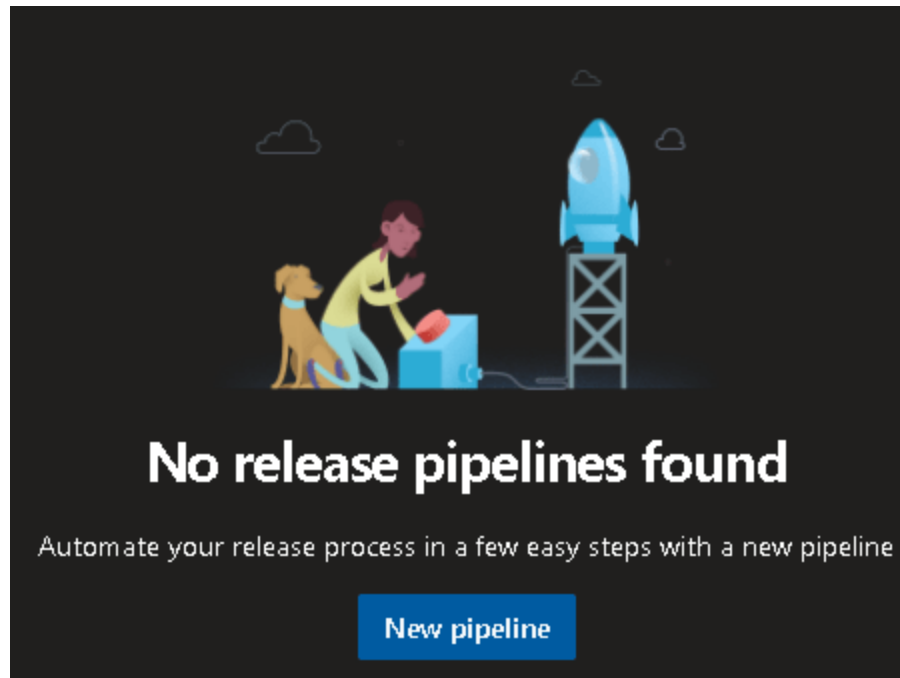
Enable Continuous Integration If you want. And click on Save.

Create Release Pipeline

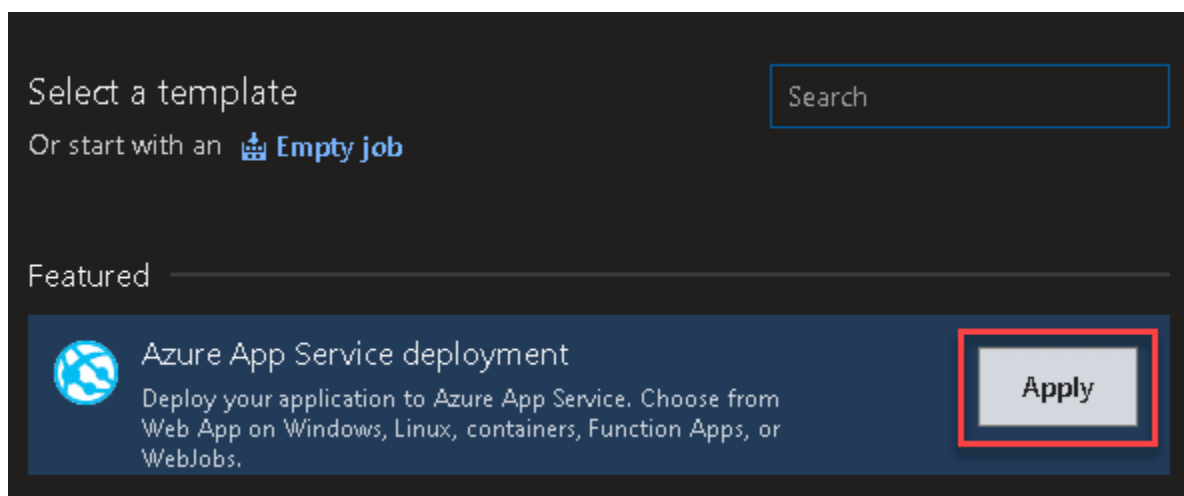
From **Pipelines** section, click on **Releases**.



Click on **New pipeline**.

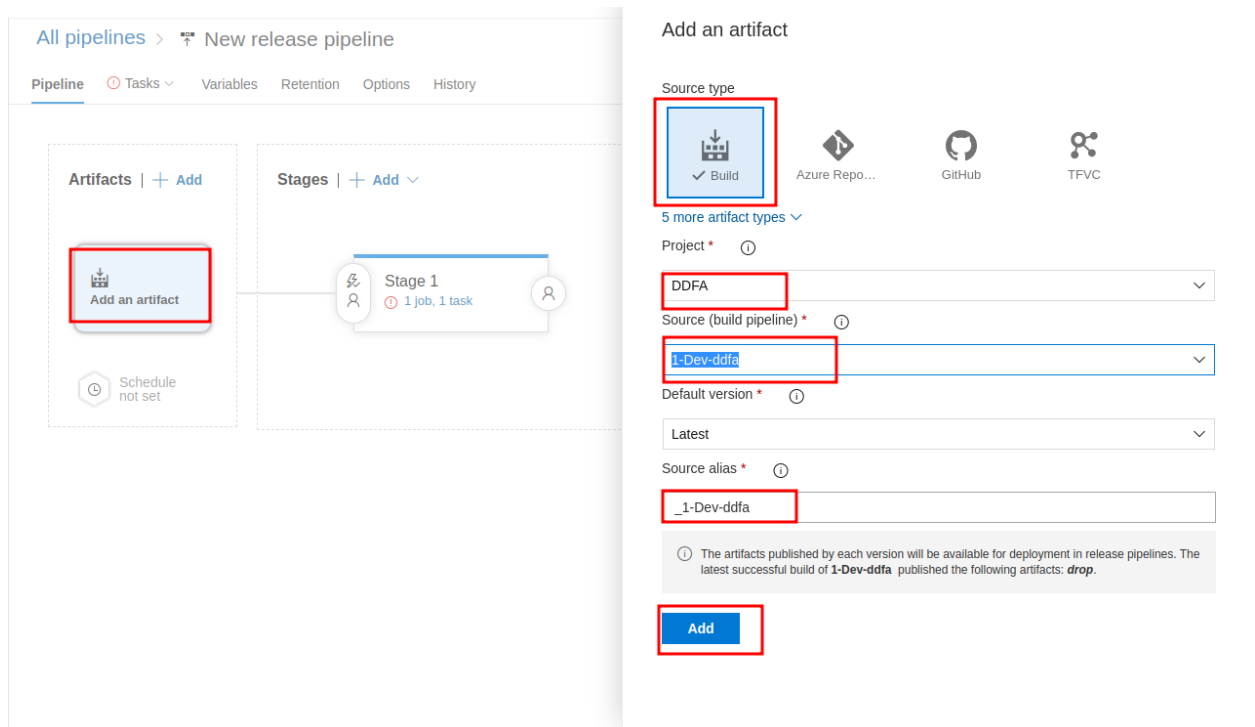
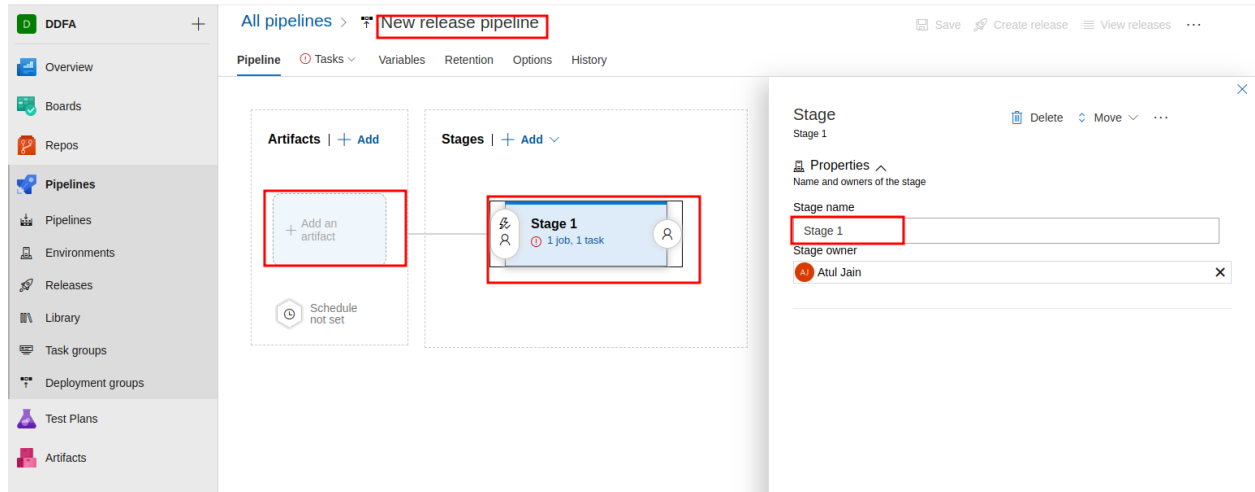


Select **Azure App Service deployment** template and click on **Apply**.



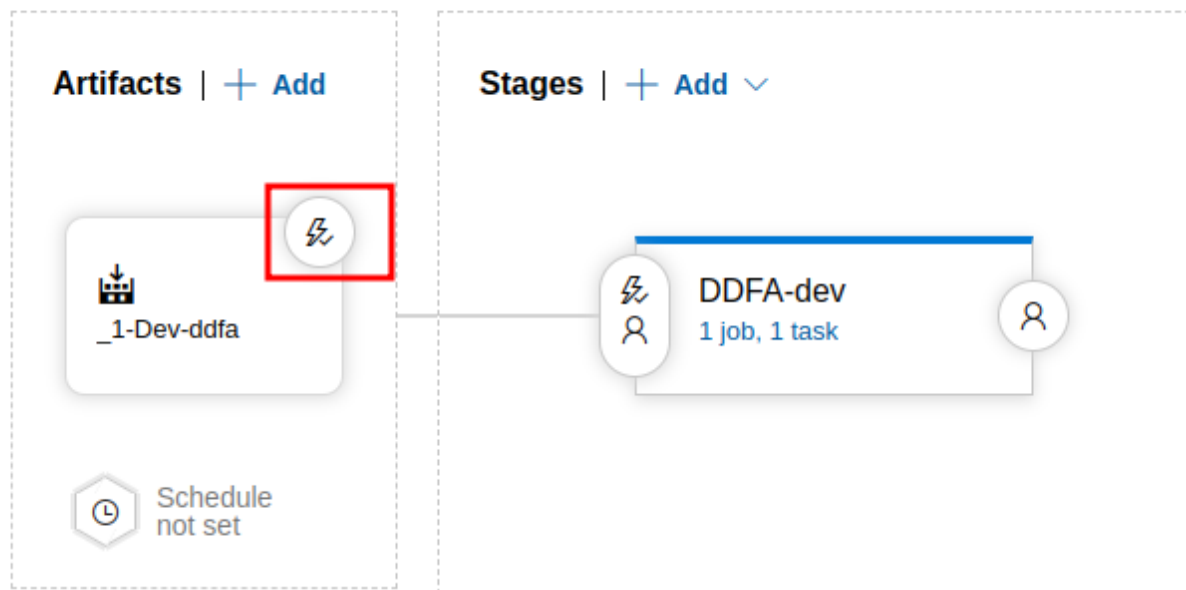
Follow these steps,

1. Change pipeline name
2. Change stage name
3. Click on Add an artifact



It should be selected **Build** as **Source type**. In **Source**, select build pipeline name and click on **Add**.

Once the Artifact is added, click on the button with the lightning icon.



Enable **Continuous deployment** trigger.

×

Continuous deployment trigger

Build: _1-Dev-ddfa

☒ Enabled
Creates a release every time a new build is available.

Build branch filters ⓘ

No filters added.

+ Add | ▼

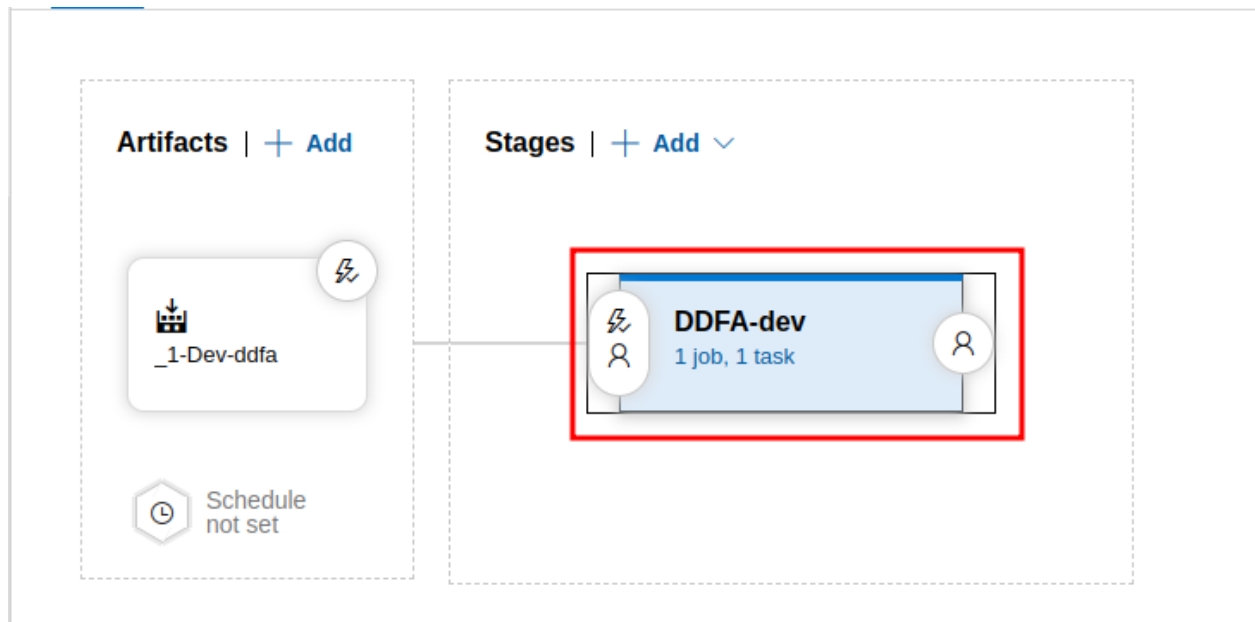
Pull request trigger

Build: _1-Dev-ddfa

☐ Disabled

ⓘ Enabling this will create a release every time a selected artifact is available as part of a pull request workflow

Go to the DDFA-dev stage and click on **1 job, 1 task**.



Select one of your **Azure subscriptions** and select App type & App service name.

Save

The screenshot shows the configuration page for the 'DDFA-dev' stage in the pipeline '1-Dev-DDFAweb'. The left sidebar shows the stage name and a list of tasks: 'Run on agent' and 'Deploy Azure App Service'. The main area displays the configuration for the 'Deploy Azure App Service' task. The 'Stage name' is 'DDFA-dev'. The 'Parameters' section includes 'Azure subscription' (set to 'Azure subscription Quisitive (330576b4-a509-4cb7-aacd-fd986a7cf7d5)'), 'App type' (set to 'Web App on Windows'), and 'App service name' (set to 'dev-ddfa'). Each of these three fields is highlighted with a red rectangular box. At the top right, there are buttons for 'Save', 'Create release', and 'View releases'.

Finally. Let's create our first release. Click on **Create release**.

Create a new release

1-Dev-DDFAweb



Pipeline ^

Click on a stage to change its trigger from automated to manual.


 DDFA-dev

Stages for a trigger change from automated to manual. 

✓ DDFA-dev 

Artifacts ^

Select the version for the artifact sources for this release

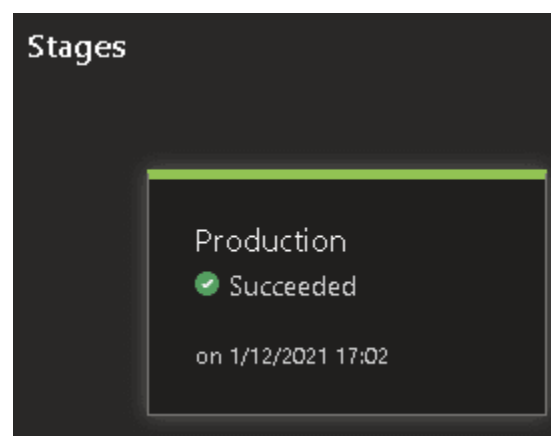
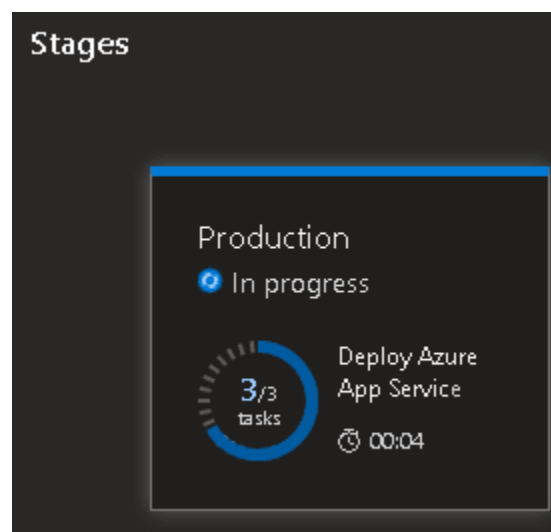
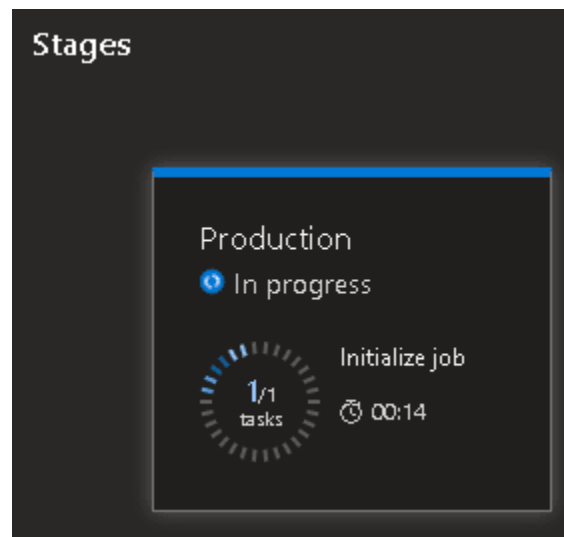
Source alias	Version	
_1-Dev-ddfa	20230401.1	

Release description

Create

Cancel

Let's wait until the pipeline finalizes.



URLs to check-

BI dev- <https://scbireports.azurewebsites.net/>

DDFA dev - <https://dev-ddfa.azurewebsites.net/>