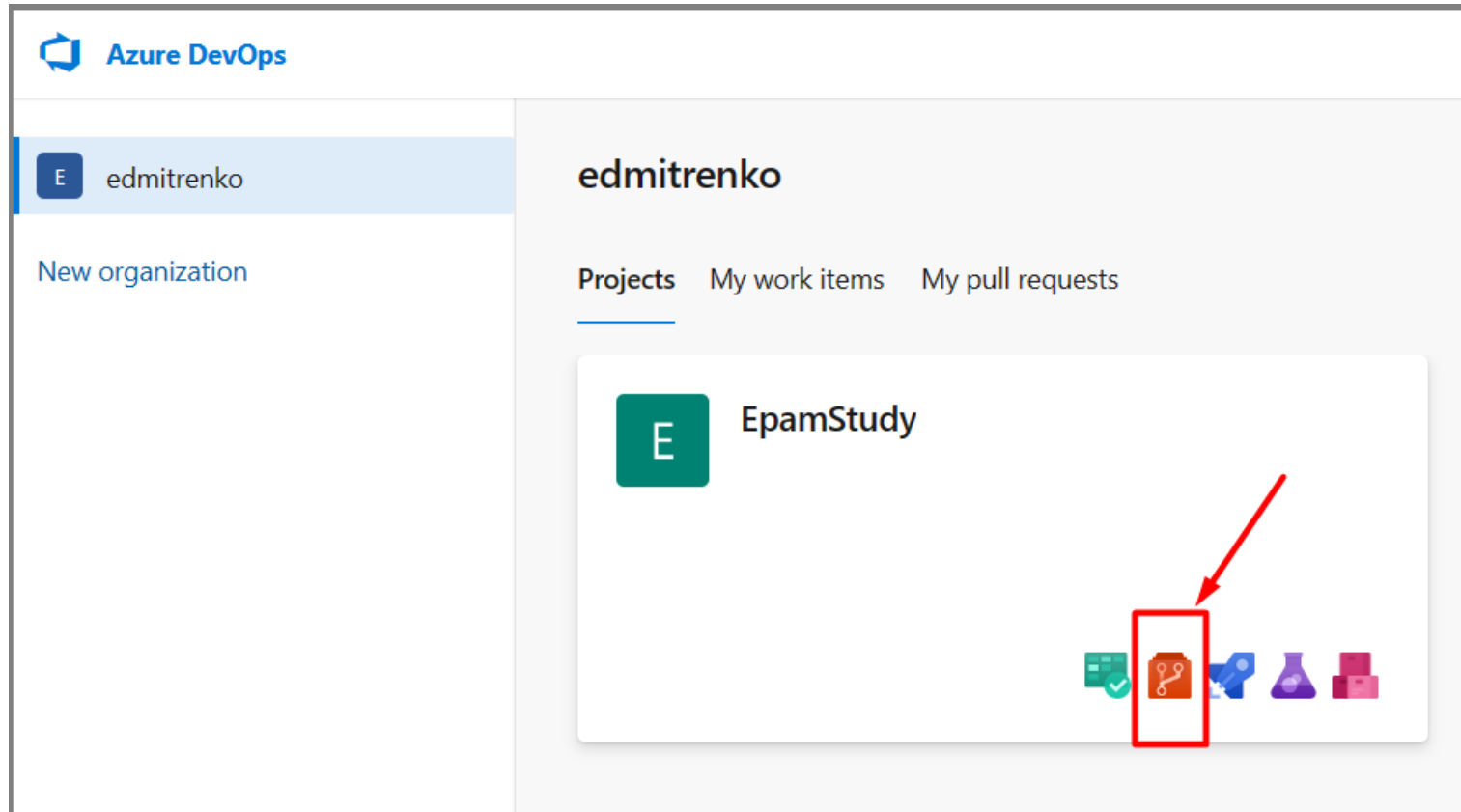



AZURE

TASK 3

Create a deploy pipeline to app  
service

1) Create new Git repo in my azure devops account:  
Choose your project -> Repo -> new repository



 Azure DevOps

edmitrenko / EpamStudy / Repos / Files / task2

EpamStudy

Overview

Boards

Repos

Files

Commits

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Branches

Tags

Pull requests

Pipelines

Test Plans

Artifacts

Project settings

task2

terraform

tf-steps

variables

webapp1

README.md

terraform-pipelines.yml

webapp-pipelines.yml

main

Type to find a file or folder...

Files

Contents

History

Name ↑	Last change	Commits
terraform	3h ago	<a href="#">fafd7af5</a> vqr1.0 Evgeniy
tf-steps	3h ago	<a href="#">fafd7af5</a> vqr1.0 Evgeniy
variables	3h ago	<a href="#">fafd7af5</a> vqr1.0 Evgeniy
webapp1	2h ago	<a href="#">4067d3da</a> ver2.0 Evgeniy
README.md	4h ago	<a href="#">42698213</a> Added README.md YEVHEN DMYT
terraform-pipelines.yml	3h ago	<a href="#">bff3c838</a> Set up CI with Azure Pipelines YEVH
webapp-pipelines.yml	2h ago	<a href="#">311cbba7</a> Update webapp-pipelines.yml for A

### Introduction

TODO: Give a short introduction of your project. Let this section explain the objectives or the motivation behind this project.

### Getting Started

TODO: Guide users through getting your code up and running on their own system. In this section you can talk about:

1. Installation process
2. Software dependencies
3. Latest releases
4. API references

### Build and Test

TODO: Describe and show how to build your code and run the tests.

### Contribute

Create a repository

×

Repository type


Git

Repository name \*

task3

☒ Add a README

Add a .gitignore: None

Your repository will be initialized with a  main branch.

Cancel

Create

2) Clone repo to local machine:

```
git clone https://edmitrenko@dev.azure.com/edmitrenko/EpamStudy/_git/task3
```

3) go into task3 folder and created new webapp from template:

```
cd webapp
```

```
dotnet new webapp -f net6.0
```

*and push new webapp to azure devops repo:*

```
git add .
```

```
git commit -v "webapp v1"
```

```
git push
```

#### 4) Create new pipeline:

*Pipelines → new pipeline → pass all the steps of the master → insert code of pipeline on the last step*

Azure-pipelines.yml we can see on this link:

[https://dev.azure.com/edmitrenko/EpamStudy/\\_git/task3?path=/azure-pipelines.yml](https://dev.azure.com/edmitrenko/EpamStudy/_git/task3?path=/azure-pipelines.yml)

5) Actualize our local git repository:

*git pull*

now we have azure-pipeline.yml file in our local repository.

```
D:\Git\task3>git pull
remote: Azure Repos
remote: Found 3 objects to send. (0 ms)
Unpacking objects: 100% (3/3), 1005 bytes | 71.00 KiB/s, done.
From https://dev.azure.com/edmitrenko/EpamStudy/_git/task3
   a4e8e19..b3e97e3  main      -> origin/main
Updating a4e8e19..b3e97e3
Fast-forward
 azure-pipelines.yml | 36 +++++
1 file changed, 36 insertions(+)
create mode 100644 azure-pipelines.yml
```

6) I changed local azure-pipeline.yml file like this:  
I use *default* agent pool with local agent on Windows 10 for building project

edmitrenko / EpamStudy / Settings / Agent pools / Default

Search

Project Settings  
EpamStudy

General

- Overview
- Teams
- Permissions
- Notifications
- Service hooks
- Dashboards

Boards

- Project configuration
- Team configuration
- GitHub connections

Pipelines

- Agent pools**
- Parallel jobs
- Settings
- Test management
- Release retention
- Service connections
- XAML build services

Default

Jobs Agents Details Security Analytics

Update all agents New agent

Name	Last run	Current status	Agent version	Enabled
WINDOWS10-1 ● Online	Yesterday	Idle	2.213.2	<input checked="" type="checkbox"/> On

# 7) Create app service on the Azure Portal:

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


## Create Web App ...


[Basics](#) [Deployment](#) [Networking](#) [Monitoring](#) [Tags](#) [Review + create](#)

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

### Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* 

Resource Group \*   [Create new](#)

### Instance Details


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

Name \*  .azurewebsites.net

Publish \* ☒ Code ☐ Docker Container ☐ Static Web App


Runtime stack \*

Operating System \* ☐ Linux ☒ Windows

Region \*    
  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 (North Europe) \*   [Create new](#)

Pricing plan \* **Free F1**  
Shared infrastructure, 1 GB memory

[Review + create](#)

[< Previous](#)

[Next : Deployment >](#)

## Create Web App ...

[Basics](#) [Deployment](#) [Networking](#) [Monitoring](#) [Tags](#) [Review + create](#)


**Enable GitHub Actions to continuously deploy your app.** GitHub Actions is an automation framework that can build, test, and deploy your app whenever a new commit is made in your repository. If your code is in GitHub, choose your repository here and we will add a workflow file to automatically deploy your app to App Service. If your code is not in GitHub, go to the Deployment Center once the web app is created to set up your deployment. [Learn more](#)

### GitHub Actions settings

Continuous deployment ☒ Disable ☐ Enable

### GitHub Actions details

Select your GitHub details, so Azure Web Apps can access your repository.

GitHub account **edmitrenko**   
 [Change account](#) 


Organization

Repository

Branch

### Workflow configuration

File with the GitHub Actions workflow configuration.

 Complete the Basics tab and the form above to preview the GitHub Actions workflow file.

[Preview file](#)

[Review + create](#)


[< Previous](#)

[Next : Networking >](#)



## Create Web App ...

Basics Deployment **Networking** Monitoring Tags Review + create

Web Apps can be provisioned with the inbound address being public to the internet or isolated to an Azure virtual network. Web Apps can also be provisioned with outbound traffic able to reach endpoints in a virtual network, be governed by network security groups or affected by virtual network routes. By default, your app is open to the internet and cannot reach into a virtual network. These aspects can also be changed after the app is provisioned. [Learn more](#) 



Network injection is only available in Basic, Standard, Premium, Premium V2, and Premium V3 Dedicated App Service plans.

Enable network injection

☐ On ☒ Off


[Review + create](#)

[< Previous](#)

[Next : Monitoring >](#)

## Create Web App ...

Basics Deployment Networking **Monitoring** Tags Review + create

Azure Monitor application insights is an Application Performance Management (APM) service for developers and DevOps professionals. Enable it below to automatically monitor your application. It will detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app. Your bill is based on amount of data used by Application Insights and your data retention settings. [Learn more](#) 

[App Insights pricing](#) 

### Application Insights

Enable Application Insights \*

☒ No ☐ Yes

[Review + create](#)

[< Previous](#)


[Next : Tags >](#)

# Create Web App ...

Basics Deployment Networking Monitoring **Tags** Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups.

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name ⓘ	Value ⓘ	Resource
name	webapp1	Web App 
		Web App

# Create Web App ...

Basics Deployment Networking Monitoring Tags **Review + create**

## Summary



## Details

Subscription	890e7d96-74cd-4b79-b15a-161ba1a773cc
Resource Group	Study
Name	dmitrenko1
Publish	Code
Runtime stack	.NET 6 (LTS)
Tags	name: webapp1

## App Service Plan

Name	ASP-Study-8d0a
Operating System	Windows
Region	North Europe
SKU	Free
ACU	Shared infrastructure
Memory	1 GB memory

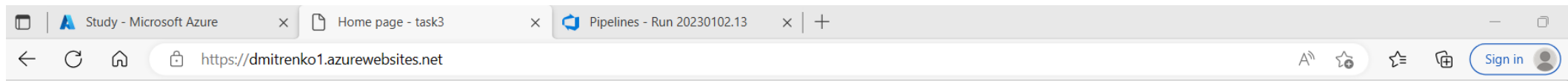
## Monitoring

Application Insights	Not enabled
----------------------	-------------

## Deployment

Continuous deployment	Not enabled / Set up after app creation
-----------------------	---

Run pipeline, as a result we have webapp:



task3 Home Privacy

# Welcome to EPAM DevOps - L1 - Azure

Azure Task - Part 3 – Create a deploy pipeline to app service

Change colour of headline on main page and push changes to repo.  
In yml pipeline configured trigger for main branch → pipeline started automatically and as a result - have a new web page:

