**Final Project**

**Homework App**

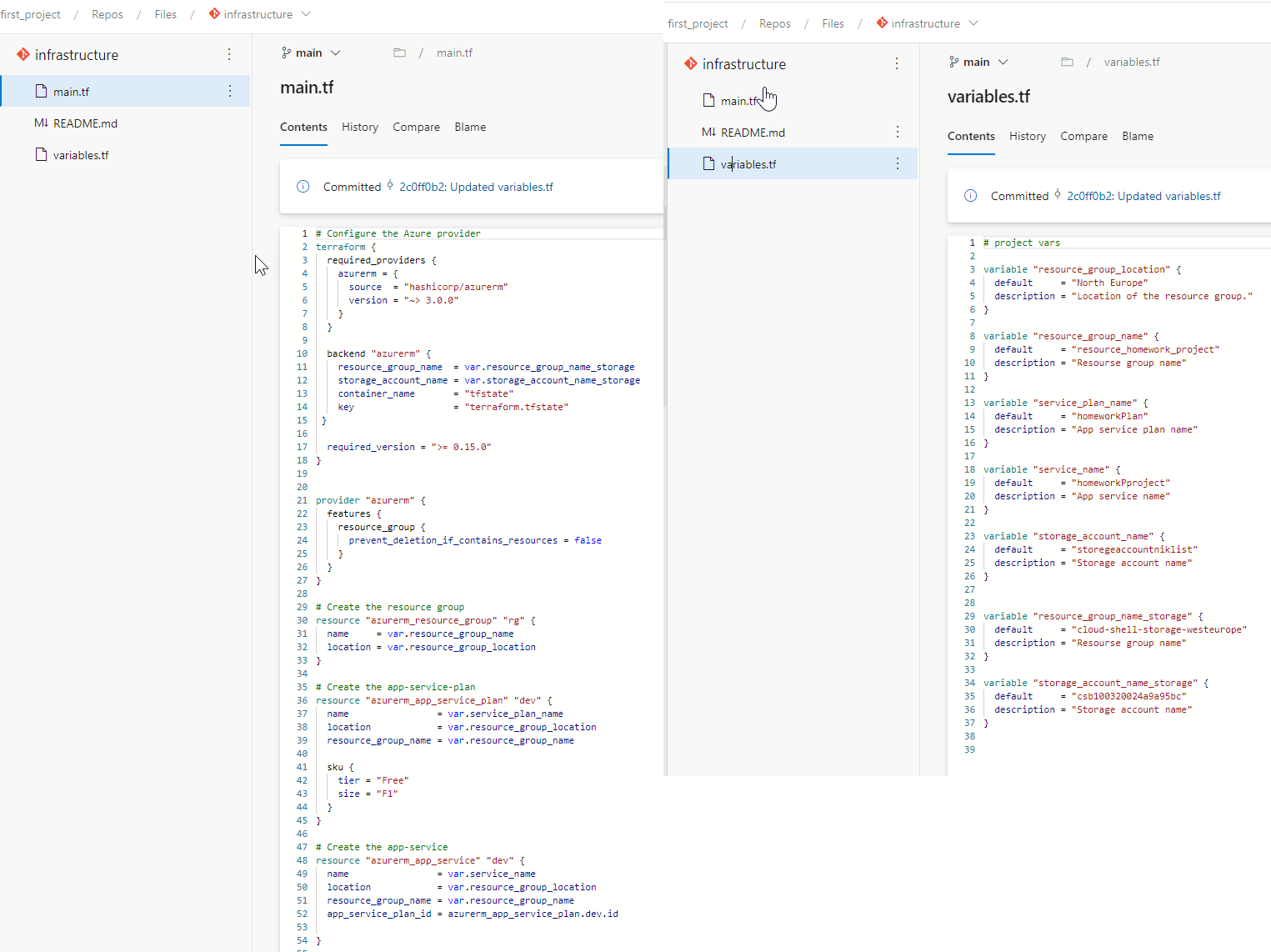
This application was written with angular framework. It’s similar to Google class app but no saw the world. I decided to deploy it in Azure cloud for my practice to work with cloud technology.

Tools: Githab / Terraform / Azure

**1. Create infrastructure**

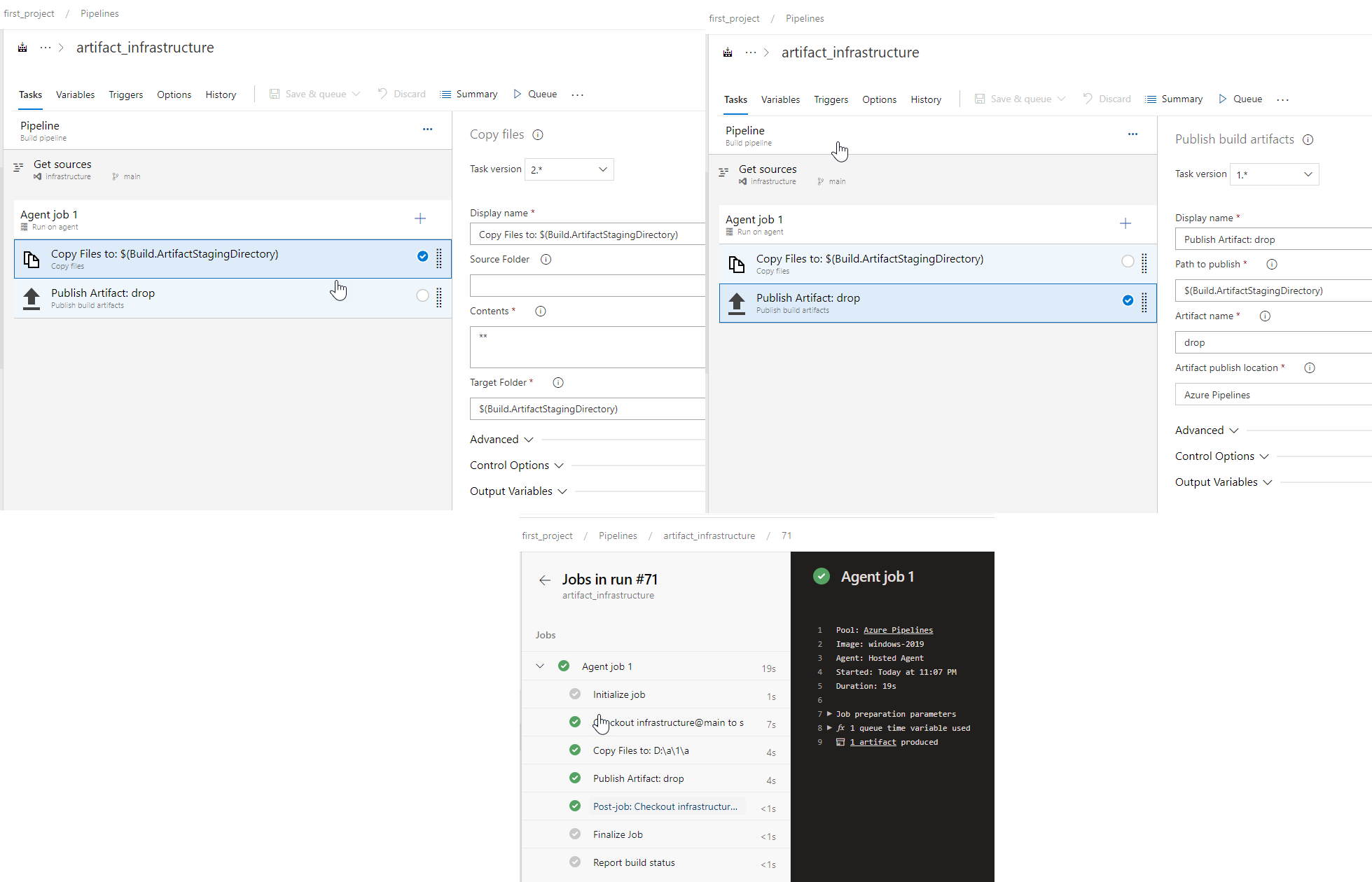
Azure DevOps → first\_project → Repos → Infrastructure

Create file **main.tf** for deploying artifact and file **variables.tf** with vars



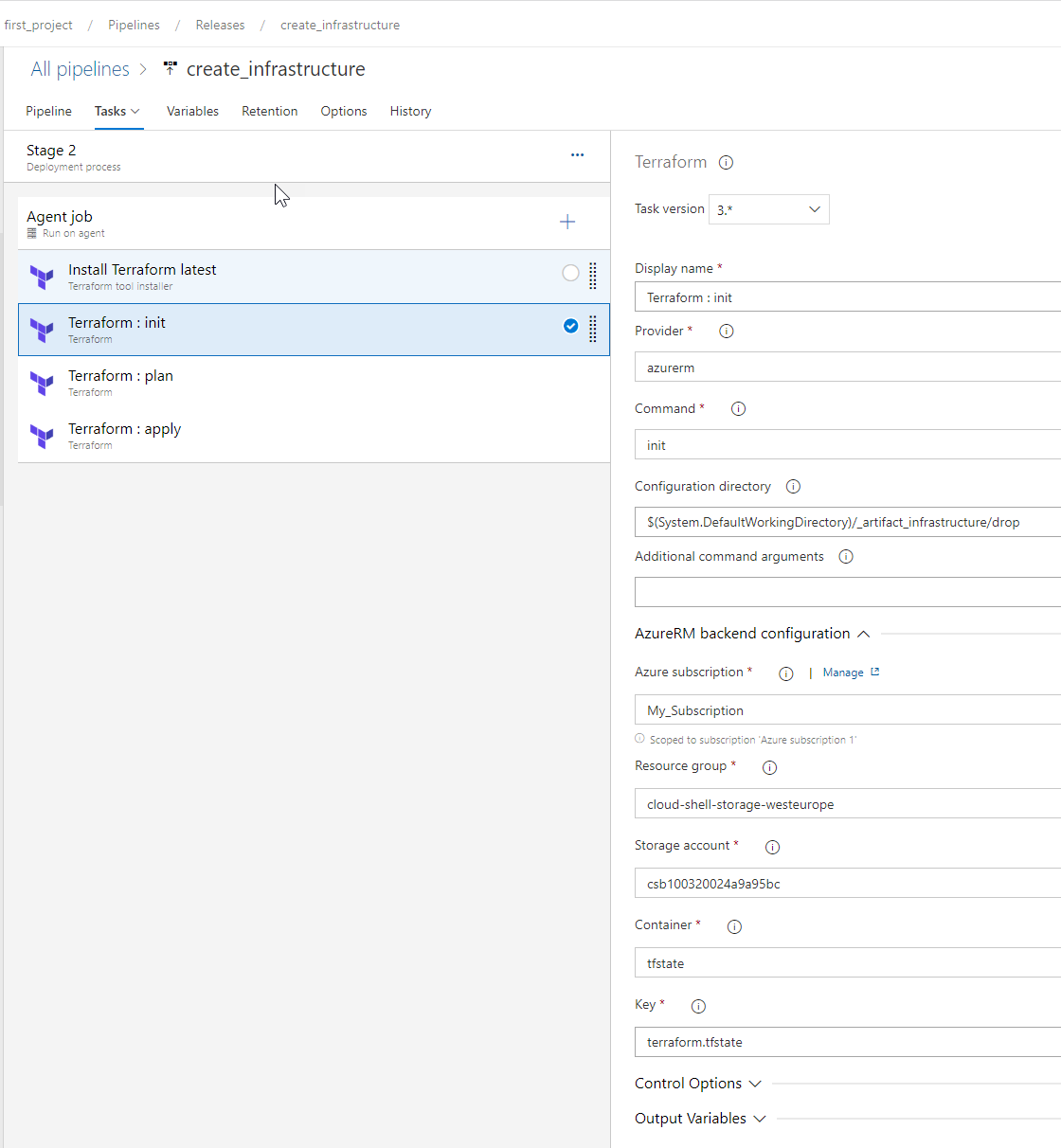
**2. Create pipeline for future infrastructure artifact**

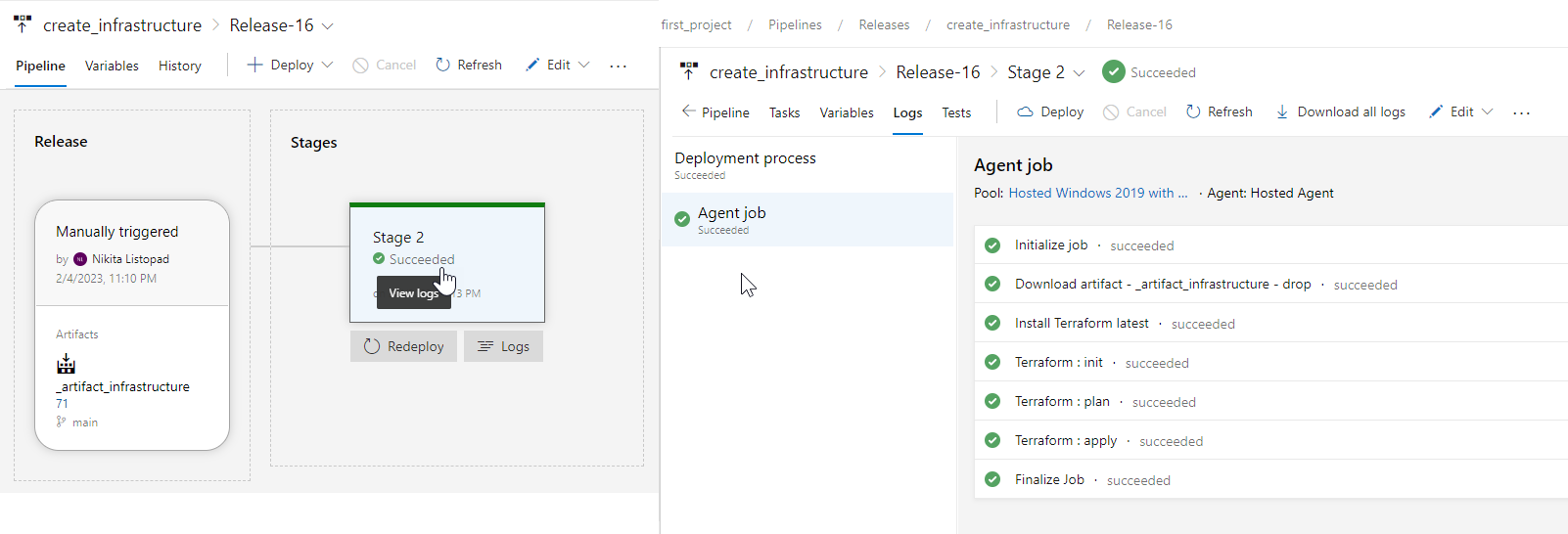
Pipelines → Pipelines



**3. Create pipeline for deploying infrastructure**

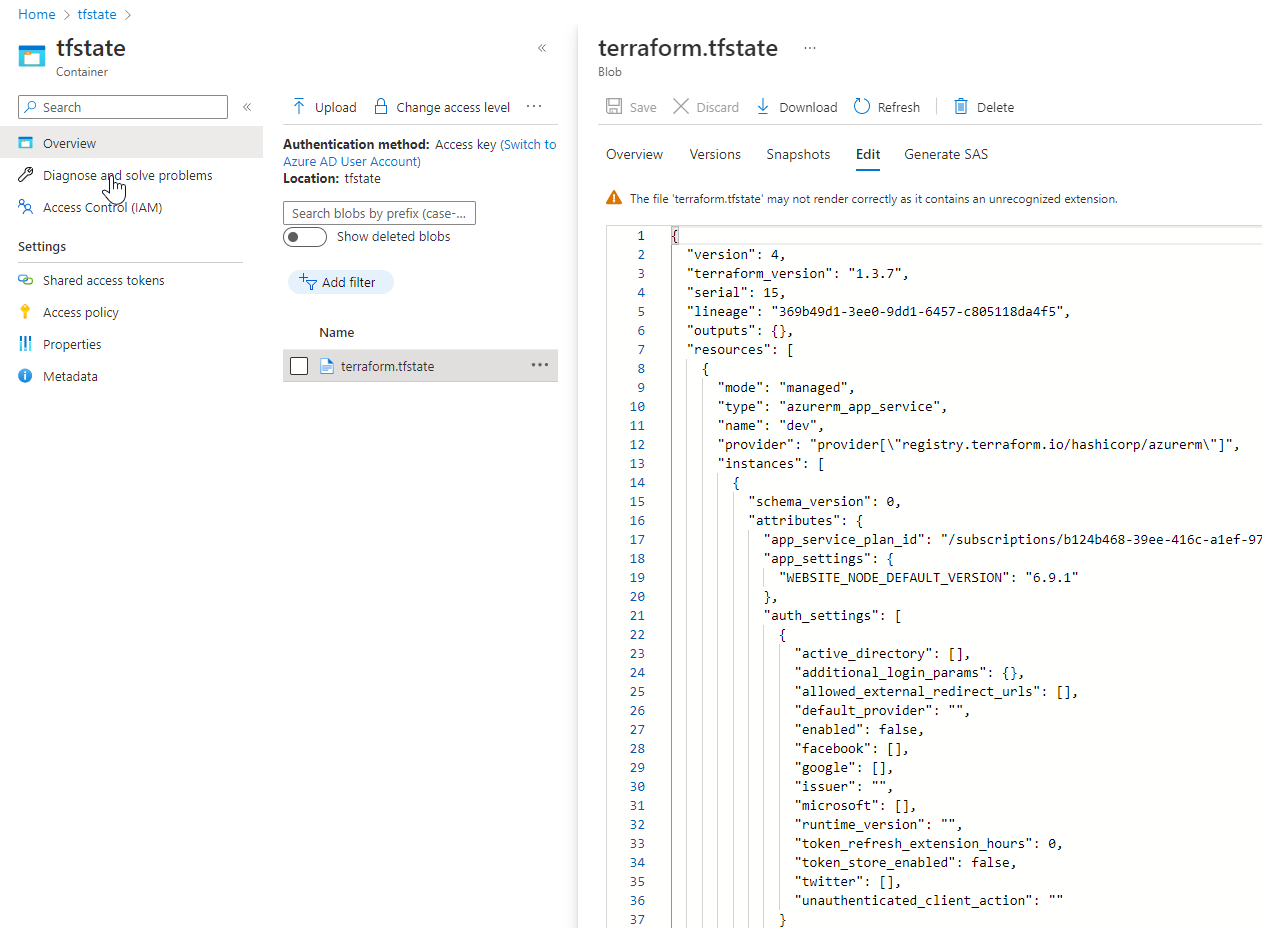
Pipelines → Release





**4. Terraform state file I created in default resource group and storage account**

cloud-shell-storage-westeurope → csb100320024a9a95bc → containers → ftstate → terraform.tfstate

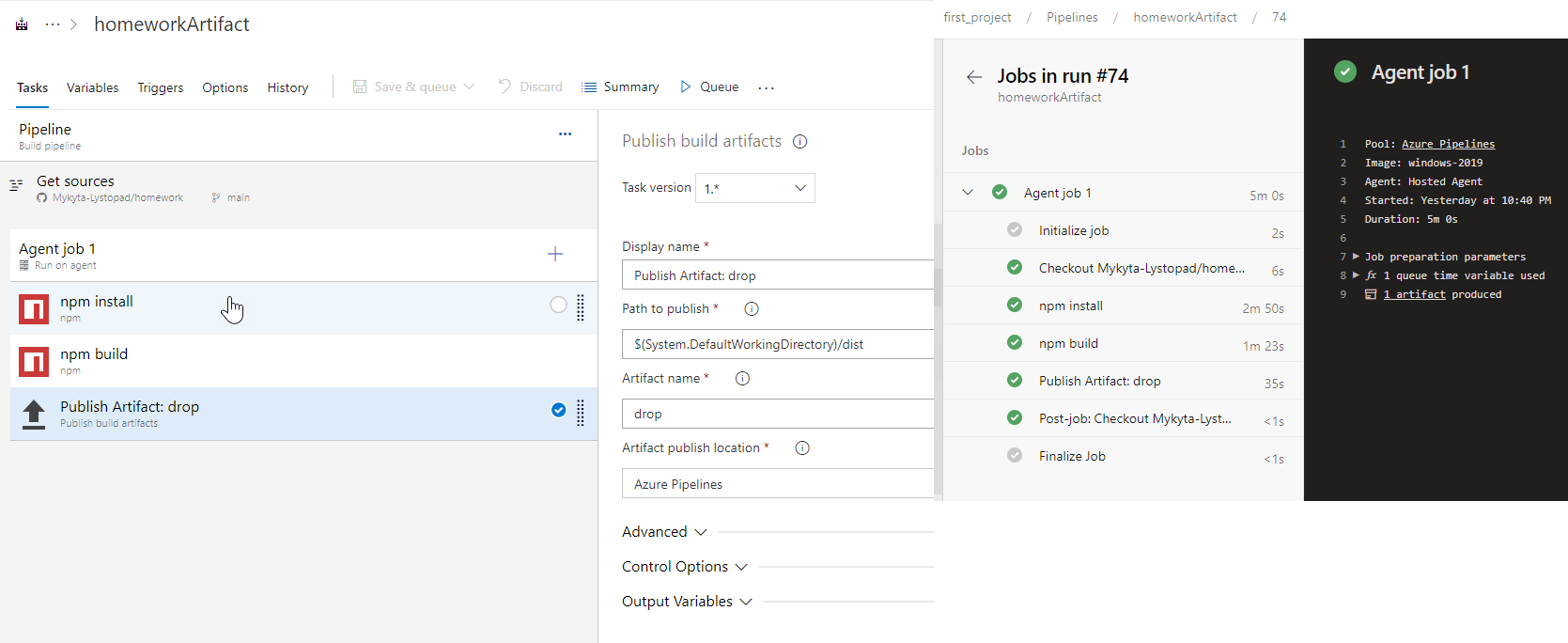


Result:

* created resource group: **resource\_homework\_project**
* created web app: **homeworkProject**
* created and wrote tfstate file: **terraform.tfstate**

**5. Create artifact for Web App: Homework**

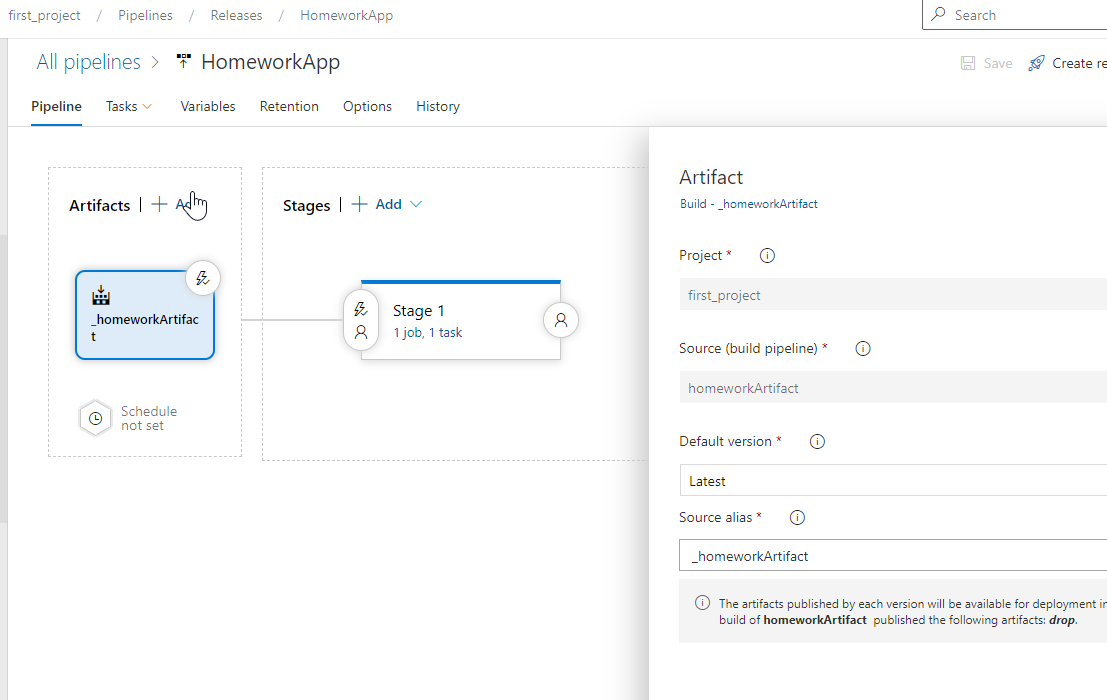
Pipeline → New pipeline

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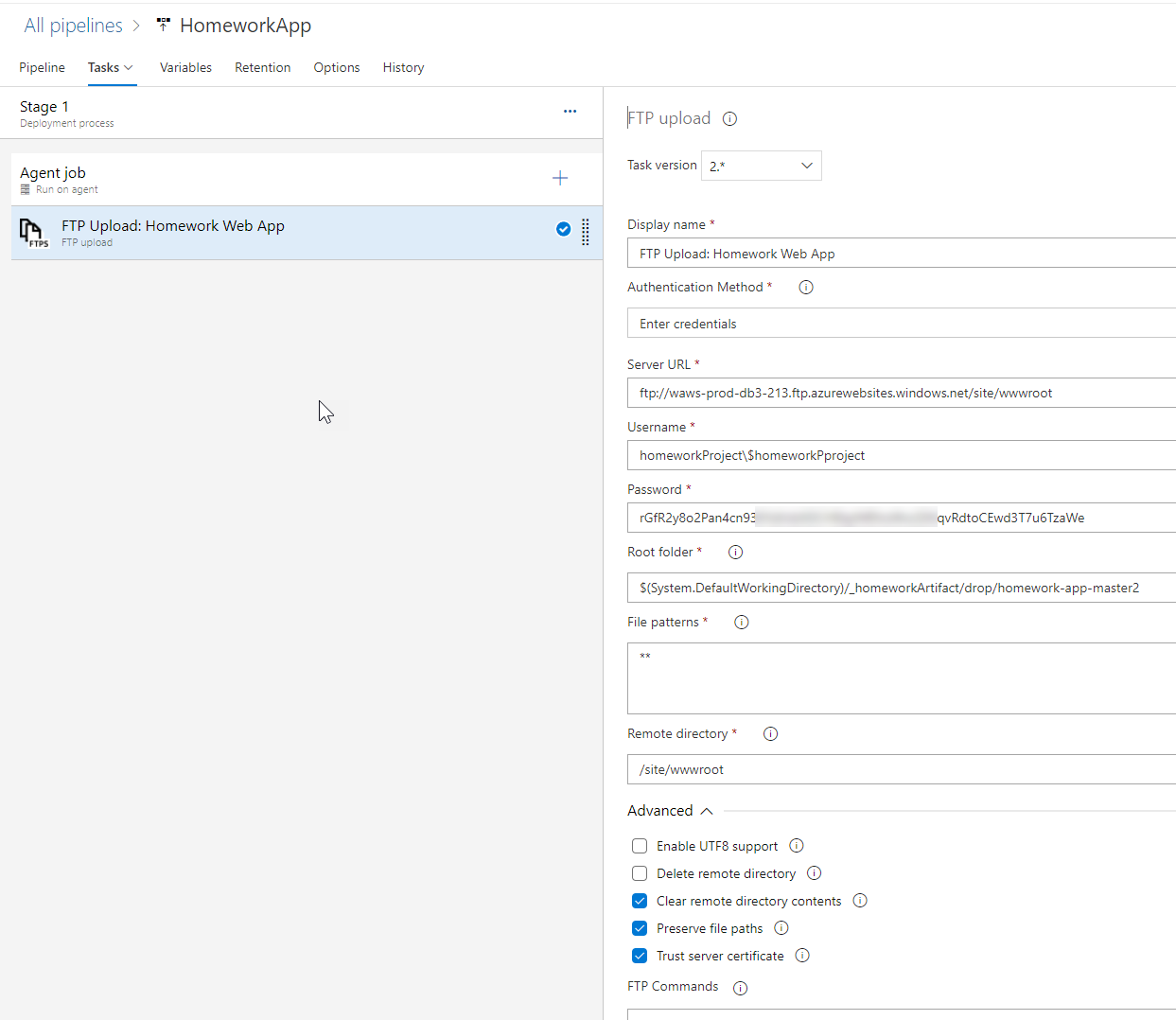
**6. Deploy web app - Homework**

Pipeline → Releases

**6.1 Add homeworkArtifact**

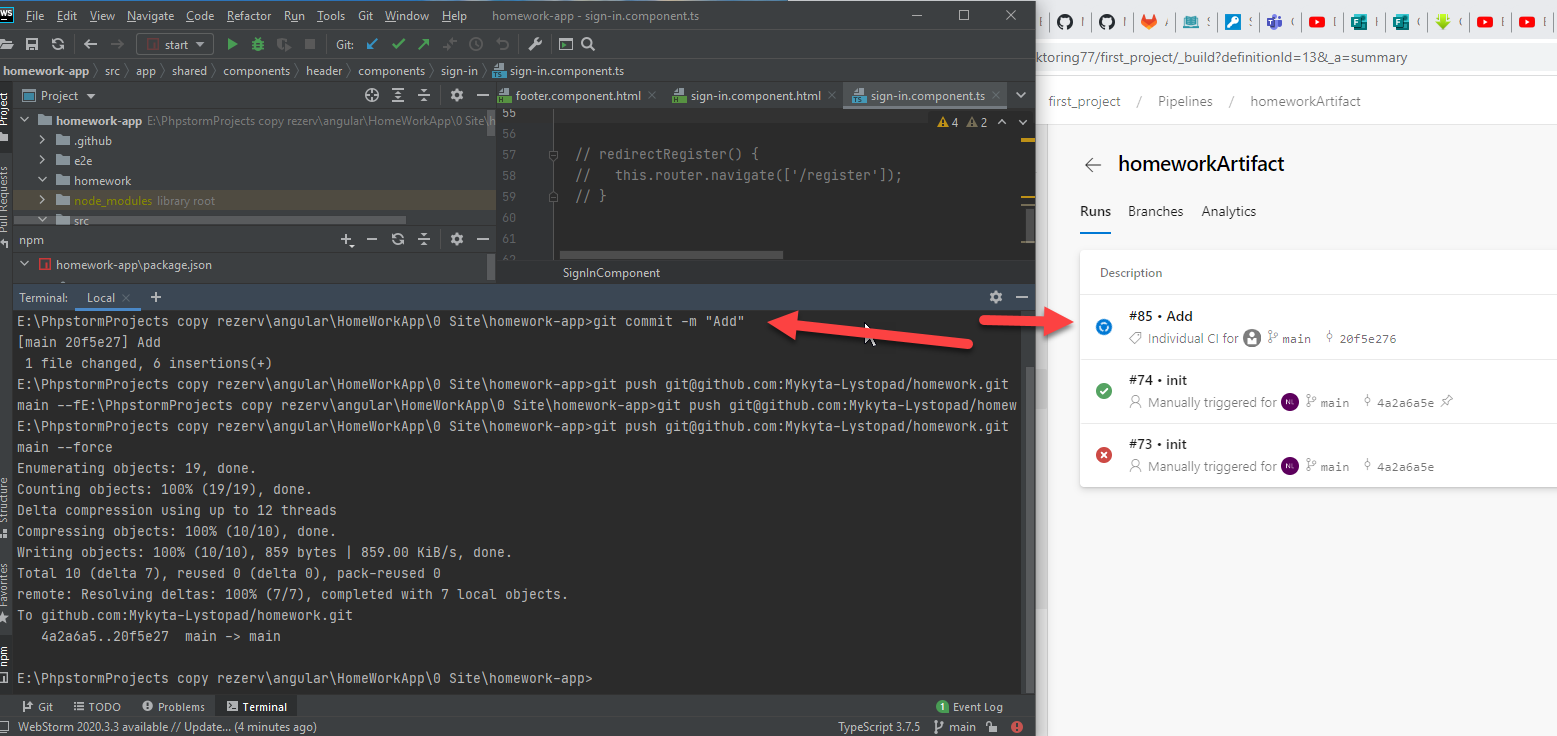
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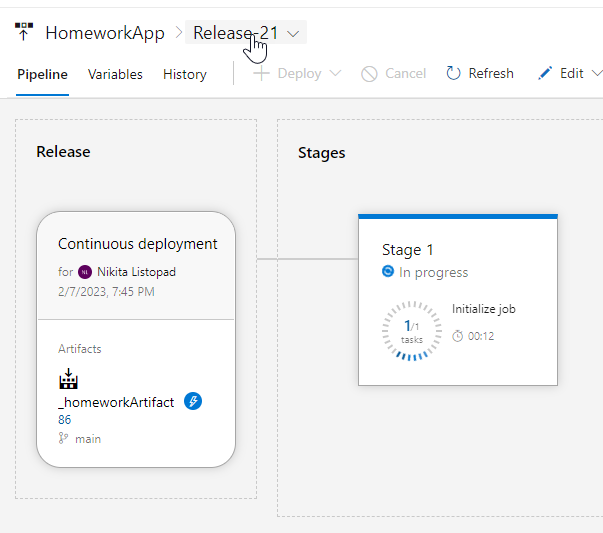
**6.2 Add task for deploy Homework Application**

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**7. Check CI/CD**

Did some changes in githab → artifact starts to update

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**Result:**

https://homeworkpproject.azurewebsites.net

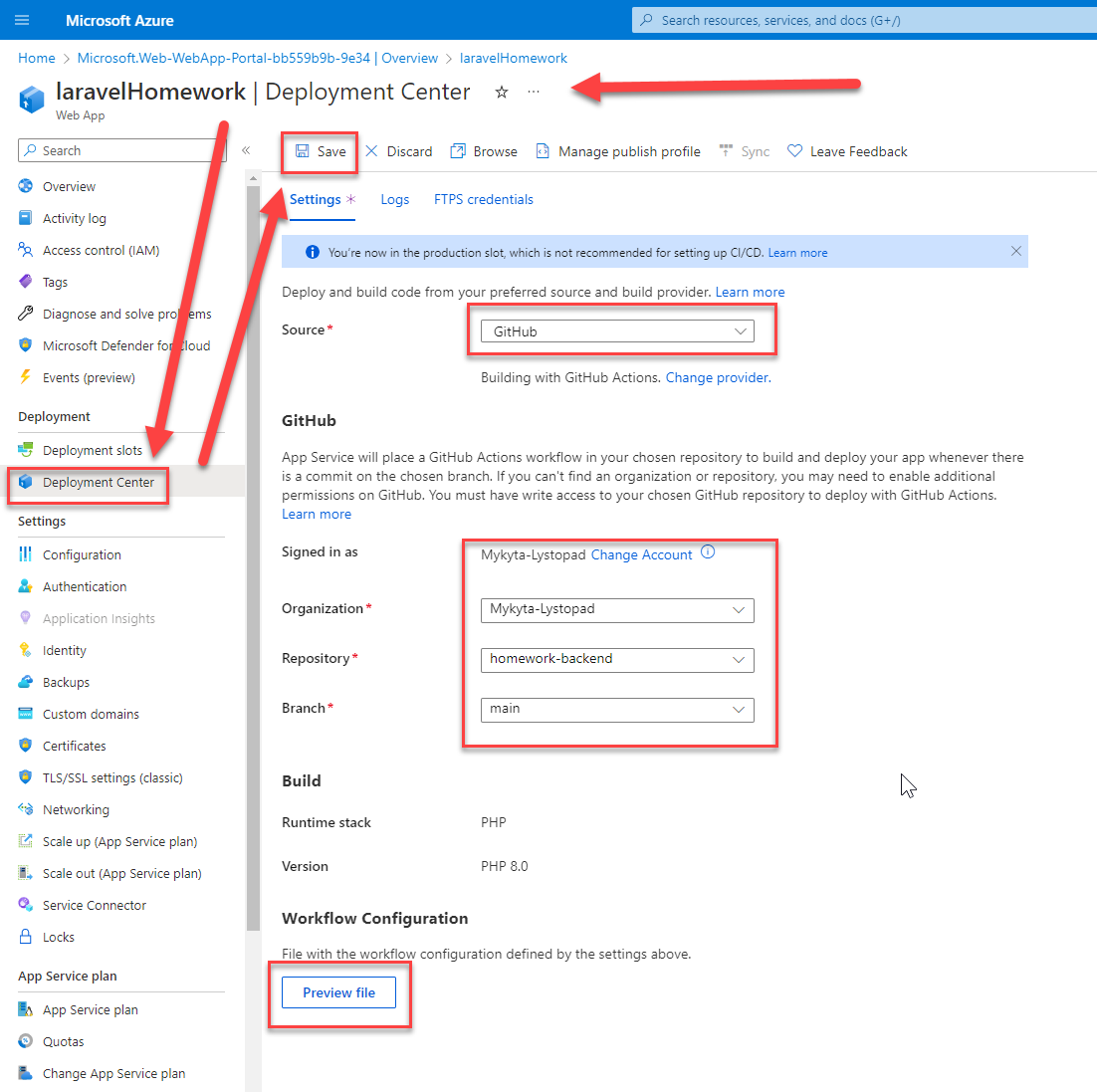
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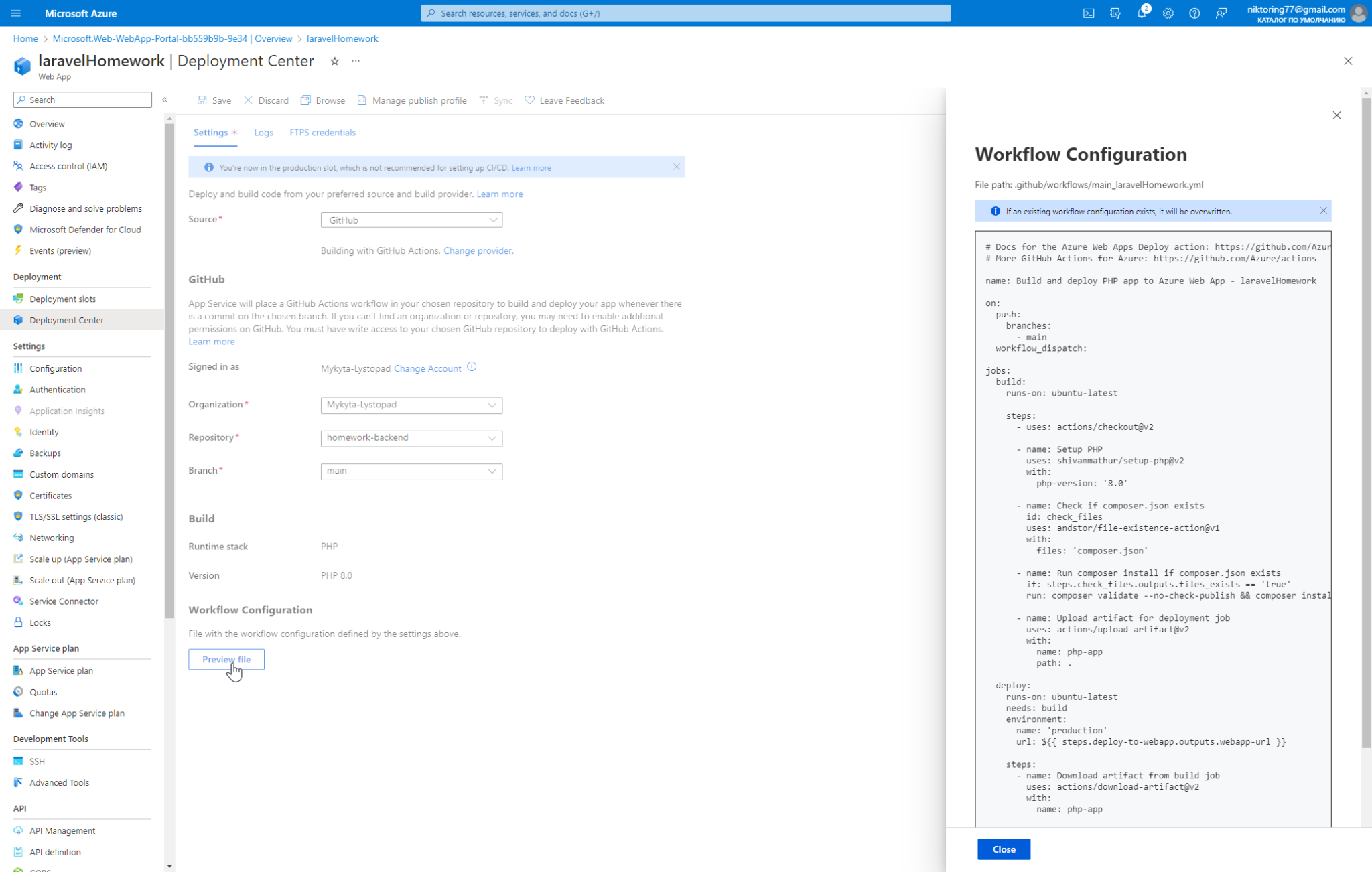
**8. Deploy backend app - “Homework Backend” for Homework application**

**8.1 Create resource group - laravel\_backend**

**8.2 Create Web App - laravelHomework**

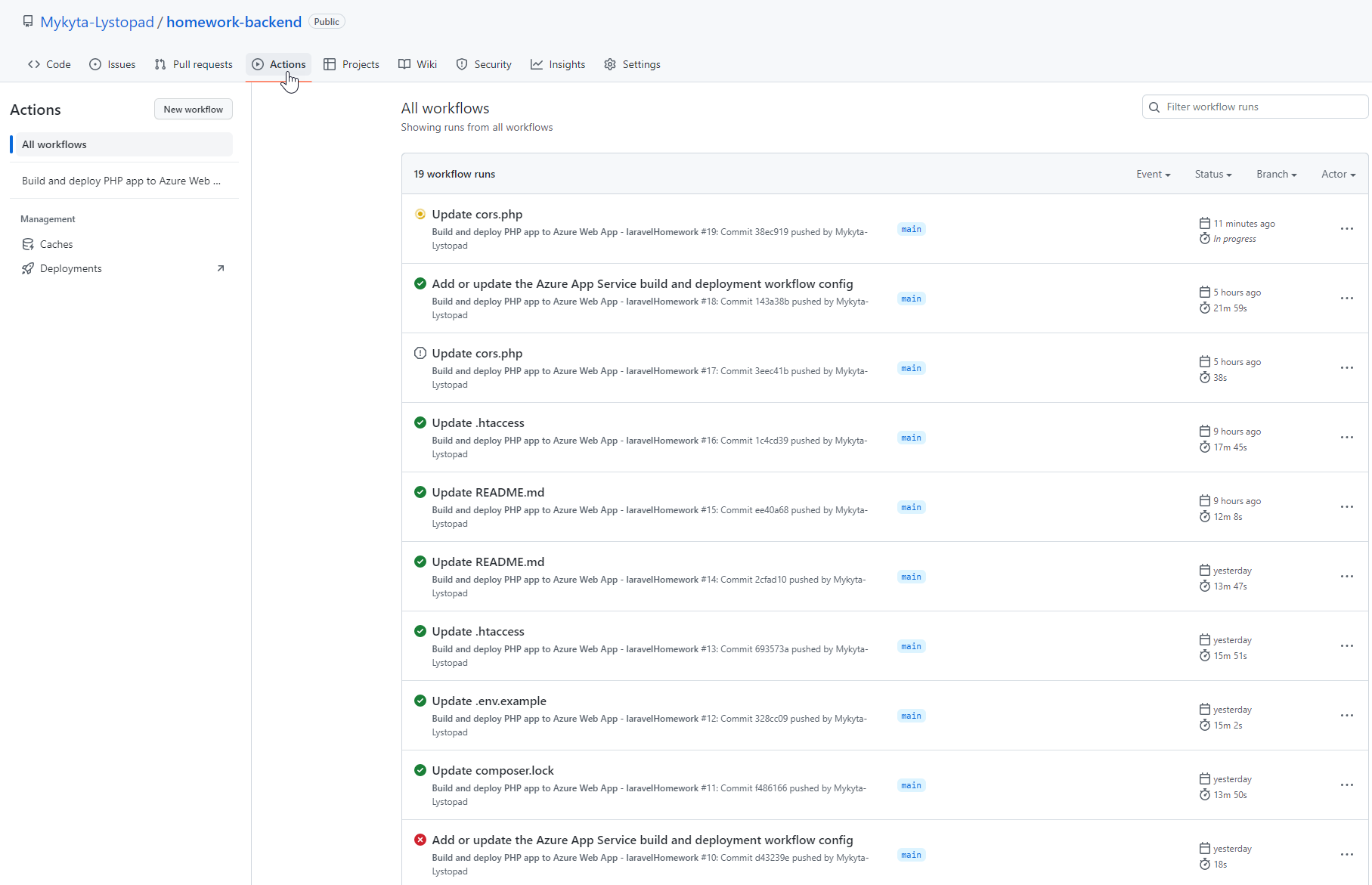
**8.3 Connect Github repo and create deploy yaml file**

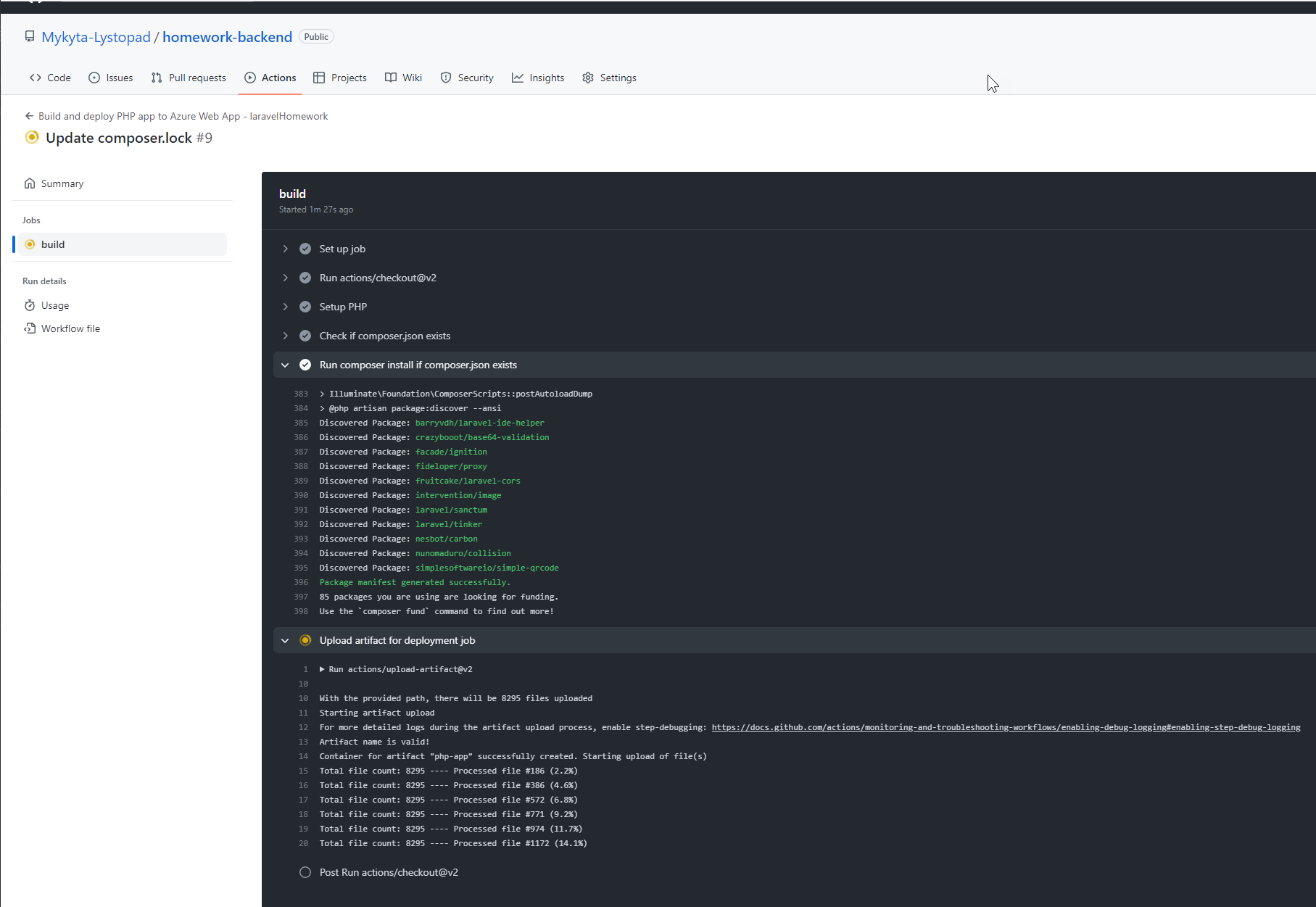
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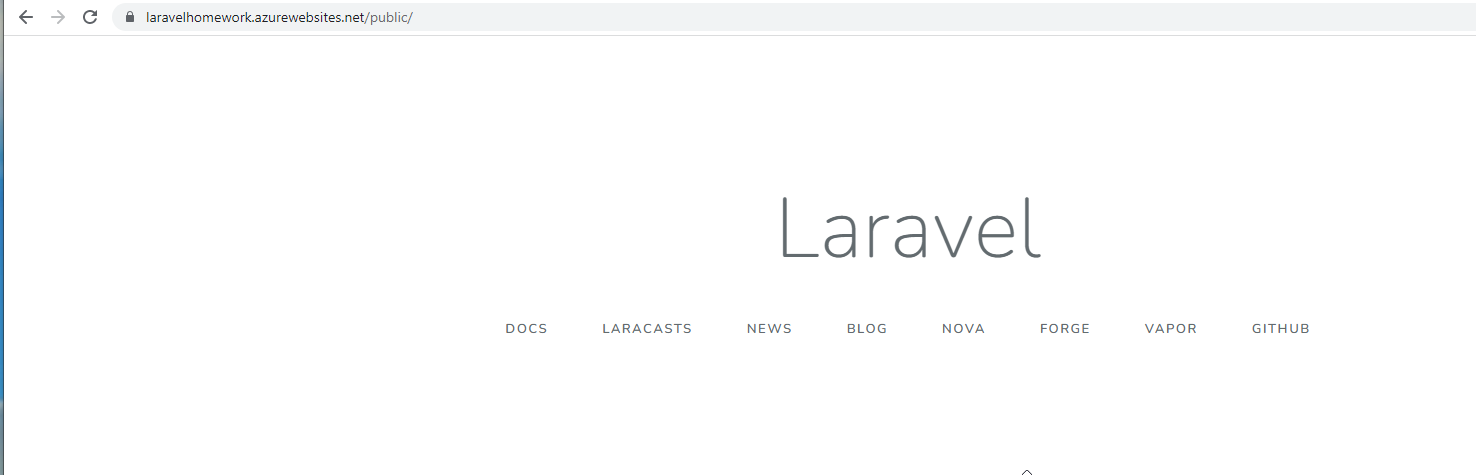
**8.4 Using Github Actions**

First of all I have to delete all writes in composer.lock file because it was the cause of errors

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**Result:**

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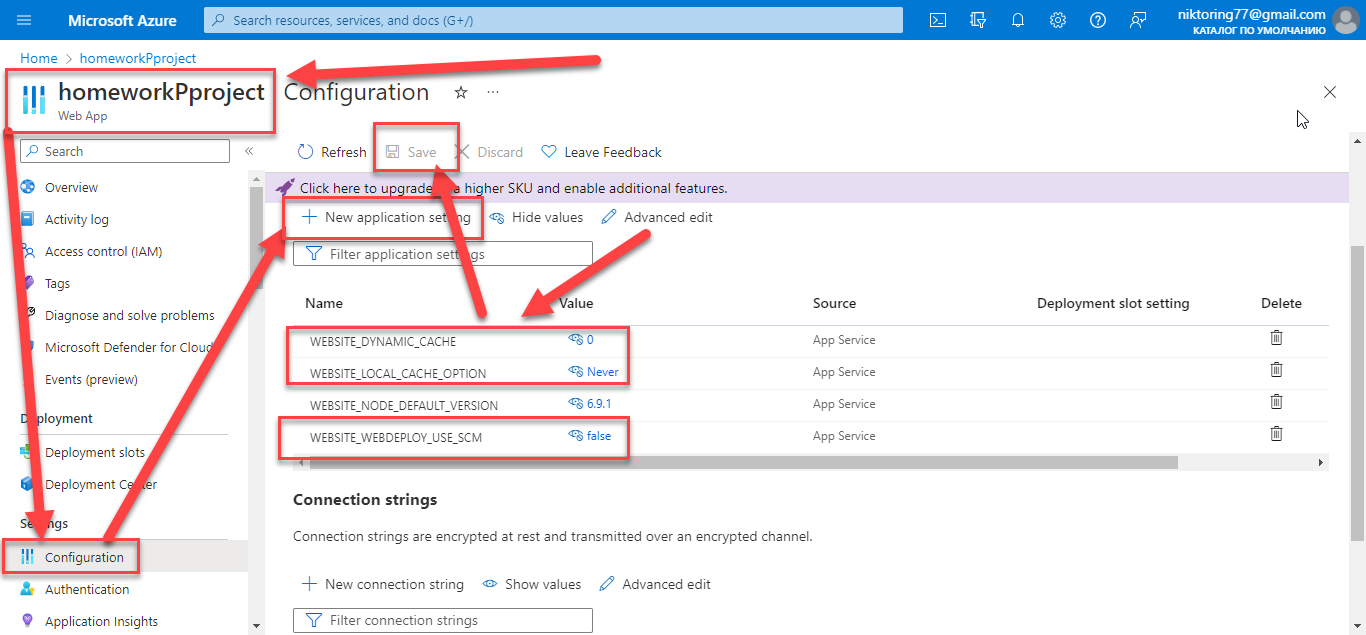
**Notes:**

**Rebuild application succeeds but does not update!**

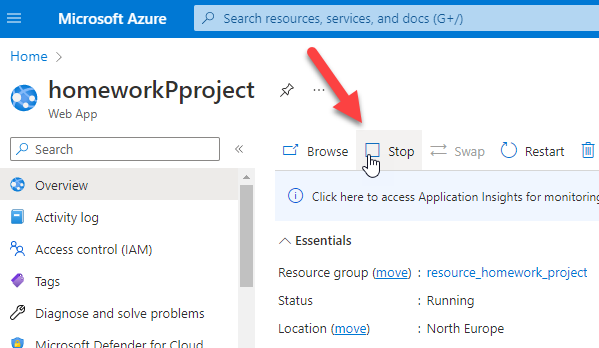
WEBSITE\_DYNAMIC\_CACHE = 0

WEBSITE\_LOCAL\_CACHE\_OPTION = Never

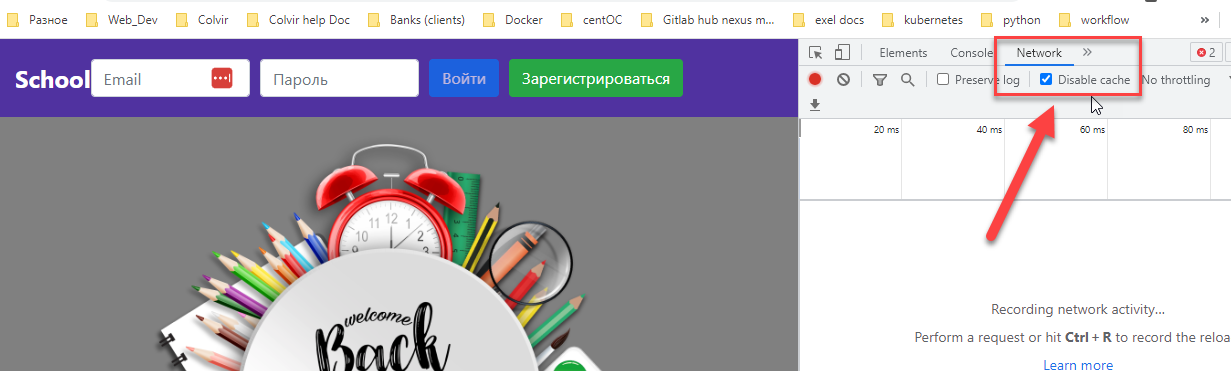
WEBSITE\_WEBDEPLOY\_USE\_SCM = false

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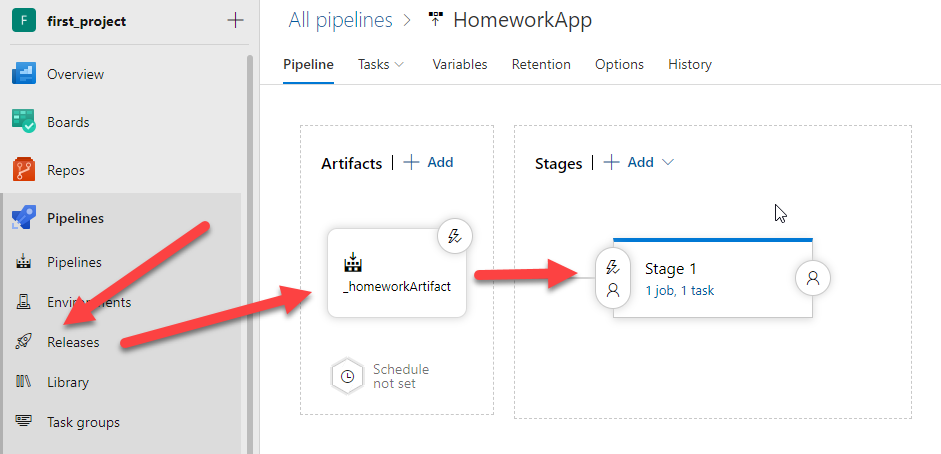
**After that stop an app**

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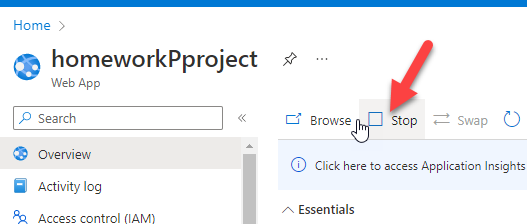
**Disable cache in browser and remove cookies files**

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**Get commit to github or other way to rebuild your app**

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**Than start your app**

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**Check your link or another way!**