## Practical Task 1: Deploy a Docker Container to Azure Container Instances (ACI) via Azure Portal

## Requirements:

- 1. Create a lightweight Docker image for a simple web application (e.g., a Python Flask app) with minimal dependencies to reduce resource usage.
- 2. Push the Docker image to Azure Container Registry (ACR) using a low-cost storage option.
- 3. Use a lightweight ACI instance (e.g., B1s) to deploy the Docker container from ACR.
- Verify the deployment by accessing the web application via the public IP address provided by ACI.
- 5. Remove the ACI container after verifying the deployment to stop billing.

 $./ \texttt{Downloads/docker} - \texttt{mc} \ [ \texttt{sk@sks-MacBook-Air.local} ] : - / \texttt{Documents/AzureDevOps} - \texttt{-bash} \\$ 

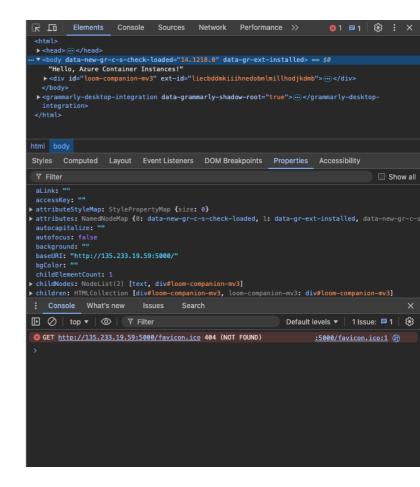
sks-MacBook-Air:docker sk\$ curl -i http://135.233.19.59:5000

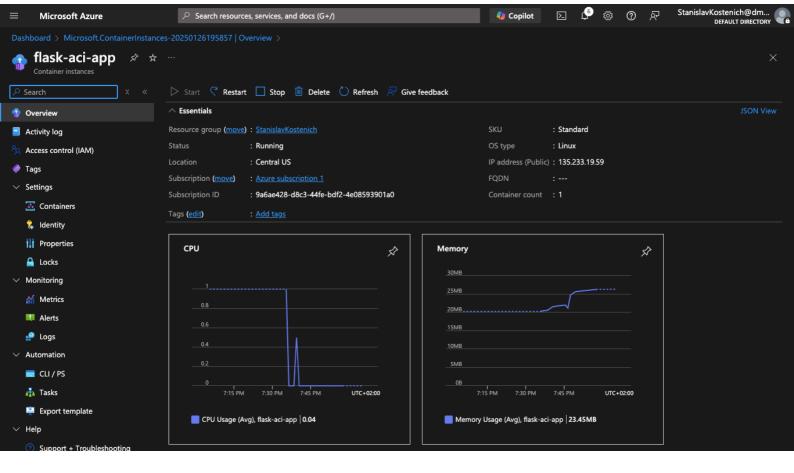
HTTP/1.1 200 OK

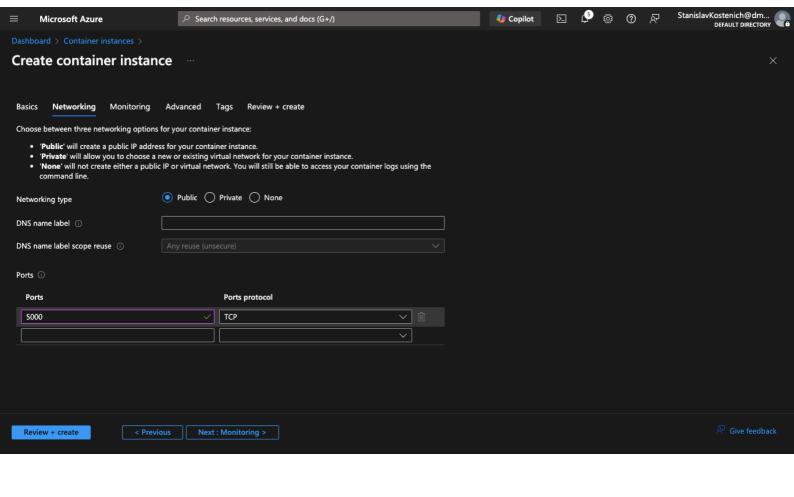
Server: Werkzeug/3.1.3 Python/3.9.21
Date: Sun, 26 Jan 2025 18:08:44 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 33
Connection: close

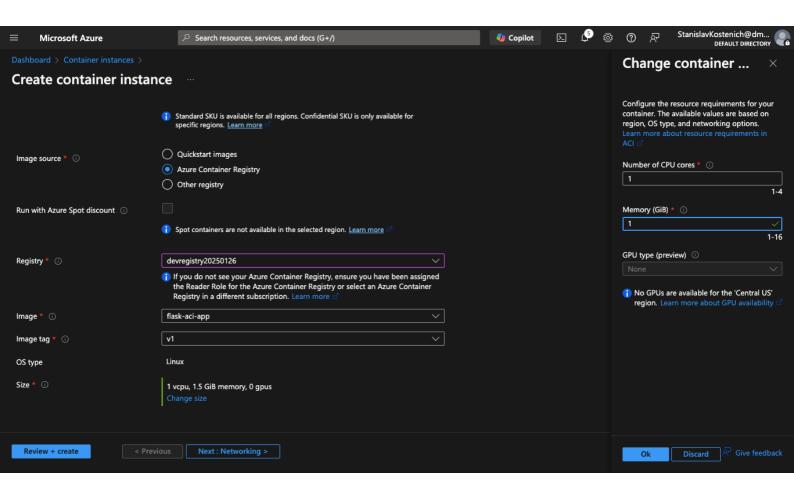
Hello, Azure Container Instances!sks-MacBook-Air:docker sk\$ ■

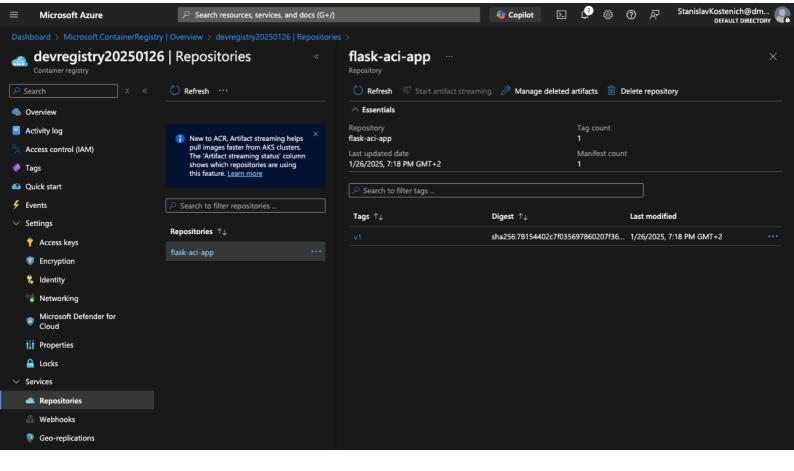
Hello, Azure Container Instances!

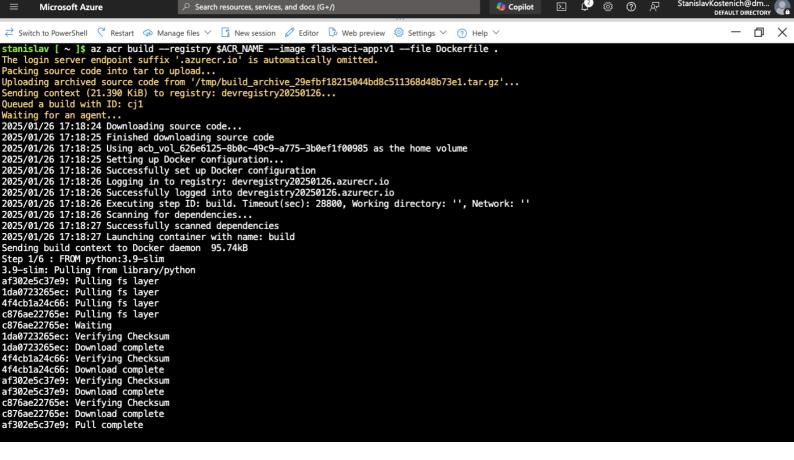












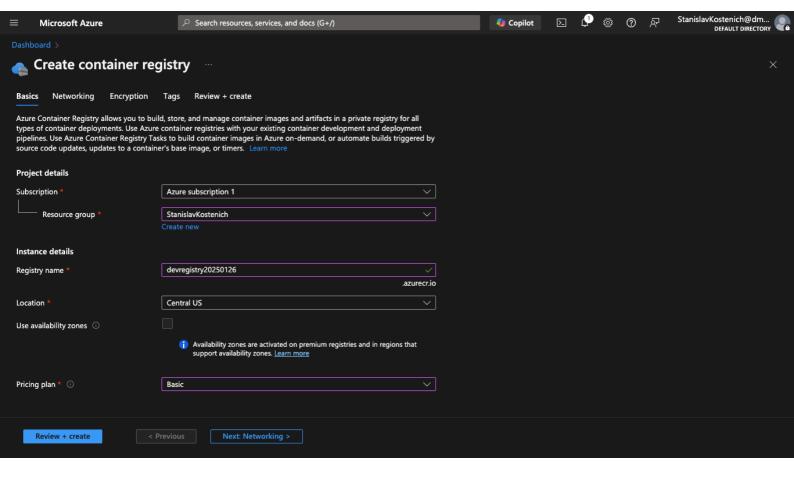
Microsoft Azure

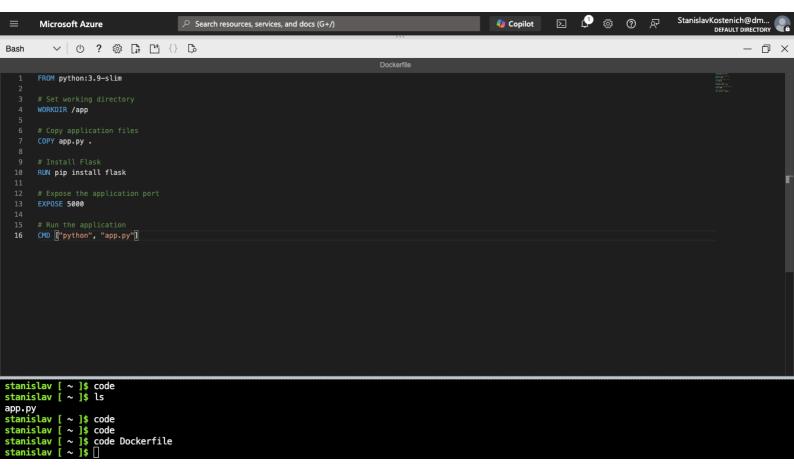
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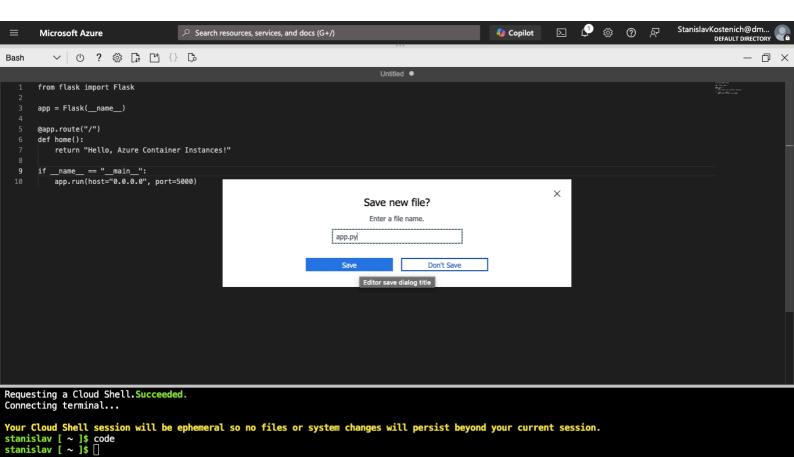
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Copilot

StanislavKostenich@dm.







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