

Lab 09b: Implement Azure Container Instances

Task 1: Deploy an Azure Container Instance using a Docker image.

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Create container instance

Validation passed

Basics Networking Monitoring Advanced Tags Review + create

Basics

Subscription	Azure for Students
Resource group	(new) az104-rg9
Region	East US
Container name	az104-c1
SKU	Standard
Image type	Public
Image	mcr.microsoft.com/azuredocs/aci-helloworld:latest
OS type	Linux
Memory (GiB)	1.5
Number of CPU cores	1
GPU type (preview)	None
GPU count	0

Networking

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az104-c1

Container instances

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Overview

Activity log Access control (IAM) Tags Resource visualizer Settings Monitoring Automation Help

Please be aware that Docker Hub has recently introduced a pull rate limit on Docker images. When specifying an image from the Docker Hub registry, this may impact your container instance. [Learn more](#)

Essentials

Resource group (move)	SKU
az104-rg9	Standard
Status	OS type
Running	Linux
Location	IP address (Public)
East US	52.149.186.174
Subscription (move)	FQDN
Azure for Students	dns-name-label-9c.babxhkc2hucteddp.eastus.azurecontainer.io
Subscription ID	Container count
16fcb738-3661-4bf0-8442-5f3f16e61ad0	1

Tags (edit) Add tags

CPU (millicores) Memory

100 100

Task 2: Test and verify deployment of an Azure Container Instance.

The screenshot displays the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a Copilot button. The user's profile, Oleksandr Kozak, is visible in the top right corner. The main content area shows the 'Containers' page for the resource 'az104-c1'. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Resource visualizer, Settings, Containers (selected), Identity, Properties, Locks, Monitoring, Automation, and Help. The main content area displays '1 container and 0 init containers'. A table lists the container details:

Name	Image	State	Previous state	Start time	Restart count
az104-c1	mcr.microsoft.com/azuredoc...	Running	-	2025-03-26T12:08:36.829Z	0

Below the table, there are tabs for 'Events', 'Properties', 'Logs', and 'Connect'. The 'Logs' tab is selected, showing a message: 'To troubleshoot your container further, please [navigate to Logs](#). [Learn more](#) >'. Below this, a log snippet is visible:

```
listening on port 80
::ffff:10.92.0.6 - - [26/Mar/2025:12:09:56 +0000] "GET / HTTP/1.1" 200 1696 "-" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/134.0.0.0 Safari/537.36 Edg/134.0.0.0"
::ffff:10.92.0.6 - - [26/Mar/2025:12:09:56 +0000] "GET /favicon.ico HTTP/1.1" 404 150 "http://dns-name-label-9c.babshkc2hucteddp.eastus.azurecontainer.io/" "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/134.0.0.0 Safari/537.36 Edg/134.0.0.0"
```