

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ  
«ДНІПРОВСЬКА ПОЛІТЕХНІКА»



**Факультет інформаційних технологій  
 Кафедра системного аналізу та управління**

**Звіт  
з практичної роботи №4  
«Аналіз програмного забезпечення»**

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**Дніпро  
2025**

**Тема:** AWS S3.

**Мета:** Набування навичок у створення і розміщенні статичної веб-сторінки на AWS S3.

## Крок 1. Реєстрація в AWS

1. Перейдіть за посиланням <https://aws.amazon.com/>
2. Натисніть Create account.
3. Введіть свій email, ім'я і прізвище, пароль. Далі підтвердить свій акаунт через електронну пошту.

The screenshot shows the AWS sign-up process. At the top right is the AWS logo. Below it, the heading "Sign up for AWS" is displayed. The left side of the screen features a rocket ship icon with blue exhaust lines, accompanied by the text "Try AWS at no cost for up to 6 months" and "Start with USD \$100 in AWS credits, plus earn up to USD \$100 by completing various activities.". On the right, there are two input fields: one for "Root user email address" (with a note about account recovery) and another for "AWS account name" (with a note about changing the name later). A large orange button labeled "Verify email address" is centered between the fields. Below this is a horizontal line with the word "OR" in the center. Underneath "OR" is a box containing the text "Sign in to an existing AWS account". At the bottom, a small note states: "This site uses essential cookies. See our [Cookie Notice](#) for more information." There are also decorative blue geometric shapes (triangles and rectangles) on the far left and right edges of the page.



## Sign up for AWS

### Choose your account plan



**Free (6 months)**  
Learn, experiment, and build prototypes

- ✓ Receive up to \$200 in credits
- ✓ Includes free usage of select services
- ✗ Workloads scale beyond credit thresholds
- ✗ Access to all AWS services and features

ⓘ After the 6 month free period or when all credits are used, you can choose to upgrade to a paid plan.  
Otherwise, your account closes automatically.

[Choose free plan](#)



**Paid**  
Develop production-ready workloads

- ✓ Receive up to \$200 in credits
- ✓ Includes free usage of select services
- ✓ Workloads scale beyond credit thresholds
- ✓ Access to all AWS services and features

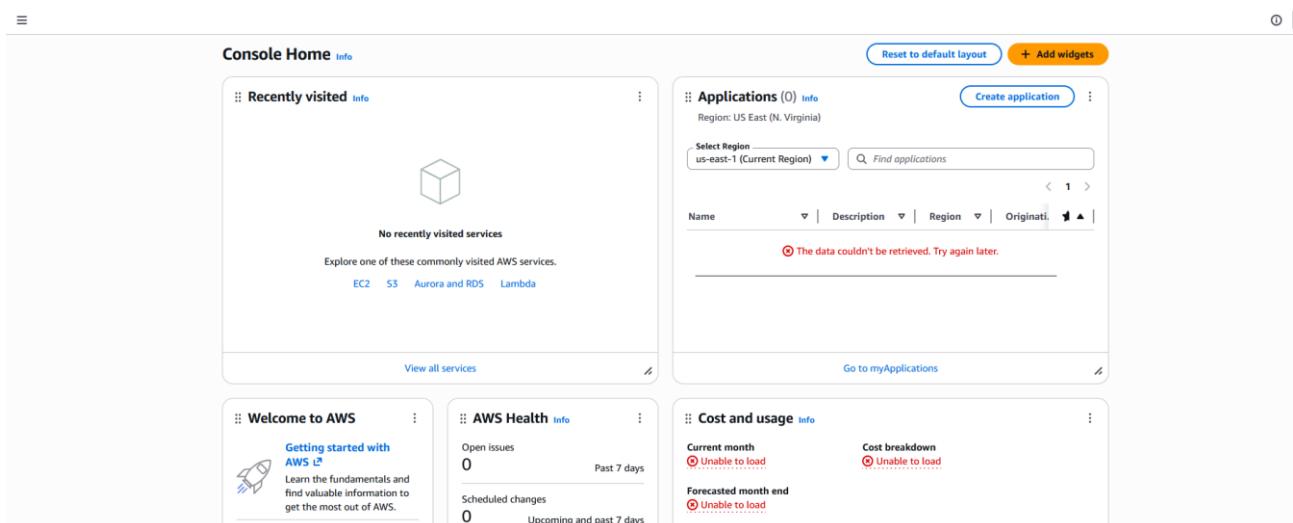
ⓘ After all of your credits are used, you are charged using pay-as-you-go pricing.

[Choose paid plan](#)

4. Введіть платіжні дані (AWS вимагає банківську картку, але з вас не знімуть кошти в межах безкоштовного рівня — Free Tier).

5. Підтвердіть особу (SMS/дзвінок)

6. Завершіть реєстрацію та увійдіть у AWS Management Console.



The screenshot shows the AWS Management Console Home page. It includes sections for Recently visited services (EC2, S3, Aurora and RDS, Lambda), Applications (0), Cost and usage, AWS Health, and Welcome to AWS. Each section displays status information such as 'Unable to load' for some metrics.

## Крок 2. Створення S3 бакету.

1. Увійдіть у AWS Console: <https://console.aws.amazon.com/s3/>

2. Натисніть Create bucket.

3. Заповніть:

- Bucket name: обов'язково включіть ваше прізвище та ім'я латиницею, наприклад kbaleiko-bucket-apz.

- Region: залиште за замовчуванням або оберіть найближчий (наприклад, Europe (Frankfurt))

**Create bucket** Info

Buckets are containers for data stored in S3.

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### General configuration

**AWS Region**  
US East (N. Virginia) us-east-1

**Bucket type** Info

General purpose  
Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

---

**Bucket name** Info  
marochka-v-bucket-apz

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number.

**Copy settings from existing bucket - optional**  
Only the bucket settings in the following configuration are copied.

**Choose bucket**

Format: s3://bucket/prefix

4. Зніміть галочку з "Block all public access" та підтвердьте галочкою, що ви розумієте наслідки публічного доступу.

### Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or a apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applyi public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage u

#### **Block all public access**

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

#### **Block public access to buckets and objects granted through new access control lists (ACLs)**

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs.

#### **Block public access to buckets and objects granted through any access control lists (ACLs)**

S3 will ignore all ACLs that grant public access to buckets and objects.

#### **Block public access to buckets and objects granted through new public bucket or access point policies**

S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any exi

#### **Block public and cross-account access to buckets and objects through any public bucket or access point policies**

S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and object



**Turning off block all public access might result in this bucket and the objects within becoming public**

AWS recommends that you turn on block all public access, unless public access is required for specific and verified us

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

5. Натисніть Create bucket.

The screenshot shows the Amazon S3 Buckets page. At the top, there is a green banner with the message: "Successfully created bucket 'marochka-v-bucket-apz'. To upload files and folders, or to configure additional bucket settings, choose View details." Below the banner, there are two tabs: "General purpose buckets" (selected) and "Directory buckets". Under "General purpose buckets", there is a table with one row. The row contains a "Copy ARN" button, an "Empty" button, a "Delete" button, and an orange "Create bucket" button. The table has columns for "Name" (marochka-v-bucket-apz), "AWS Region" (US East (N. Virginia) us-east-1), and "Creation date" (November 23, 2025, 21:00:36 (UTC+02:00)). To the right of the table, there are two boxes: "Account snapshot" (info updated daily) and "External access summary - new" (info updated daily).

### Крок 3. Завантаження HTML-файлу.

1. Створіть у блокноті на комп'ютері файл index.html з наступним вмістом (приклад):

```
<!DOCTYPE html>

<html lang="uk">
<head>
<meta charset="UTF-8">
<title>Моя сторінка</title>
</head>
```

```

<body>
<h1>Марочка Владислав Ігорович</h1><br />
<p>121-22-3</p>
</body>
</html>

```

2. Поверніться в AWS S3 та відкрийте створений бакет.
3. Перейдіть у вкладку Objects → Upload та завантажте створений файл index.html.

The screenshot shows the AWS S3 'Objects' page for a bucket named 'marochka-v-bucket-apz'. There is one object listed: 'index.html' (Type: html, Last modified: November 23, 2025, 21:09:50 (UTC+02:00), Size: 255.0 B, Storage class: Standard). The page includes standard S3 actions like Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload.

4. Після завантаження оберіть свій index.html і натисніть Permissions → Make public (рис 4.5)

The screenshot shows the 'Edit Block public access (bucket settings)' dialog box. It contains several checkboxes for blocking different types of public access. A warning message states: "Updating the Block Public Access settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public." Below the message is a field labeled "To confirm the settings, enter confirm in the field." with the word "confirm" typed into it. At the bottom are "Cancel" and "Confirm" buttons.

#### Крок 4. Налаштування хостингу та отримання адреси сторінки

1. Поверніться в AWS S3 та відкрийте створений бакет.
2. Оберіть Properties та прокрутіть до Static website hosting. Далі натисніть Edit і увімкніть "Enable".
3. У полі Index document вкажіть index.html і натисніть Save changes.

## Edit static website hosting [Info](#)

### Static website hosting

Use this bucket to host a website or redirect requests. [Learn more ↗](#)

#### Static website hosting

- Disable  
 Enable

#### Hosting type

- Host a static website

Use the bucket endpoint as the web address. [Learn more ↗](#)

- Redirect requests for an object

Redirect requests to another bucket or domain. [Learn more ↗](#)

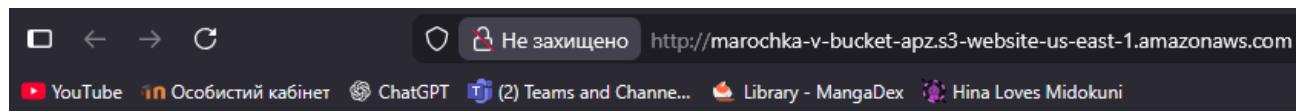
i For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access [Block Public Access ↗](#)

#### Index document

Specify the home or default page of the website.

index.html

4. Тепер знову у вкладці Properties, знайдіть Static website hosting, там буде ваш URL



## Марочка Владислав Ігорович

121-22-3

**Висновки:** набув навичок у створення і розміщення статичної веб-сторінки на AWS S3