

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



Факультет інформаційних технологій
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Звіт
з практичних робіт з дисципліни
«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.

Хід роботи

1. Зареєструвалися в системі AWS

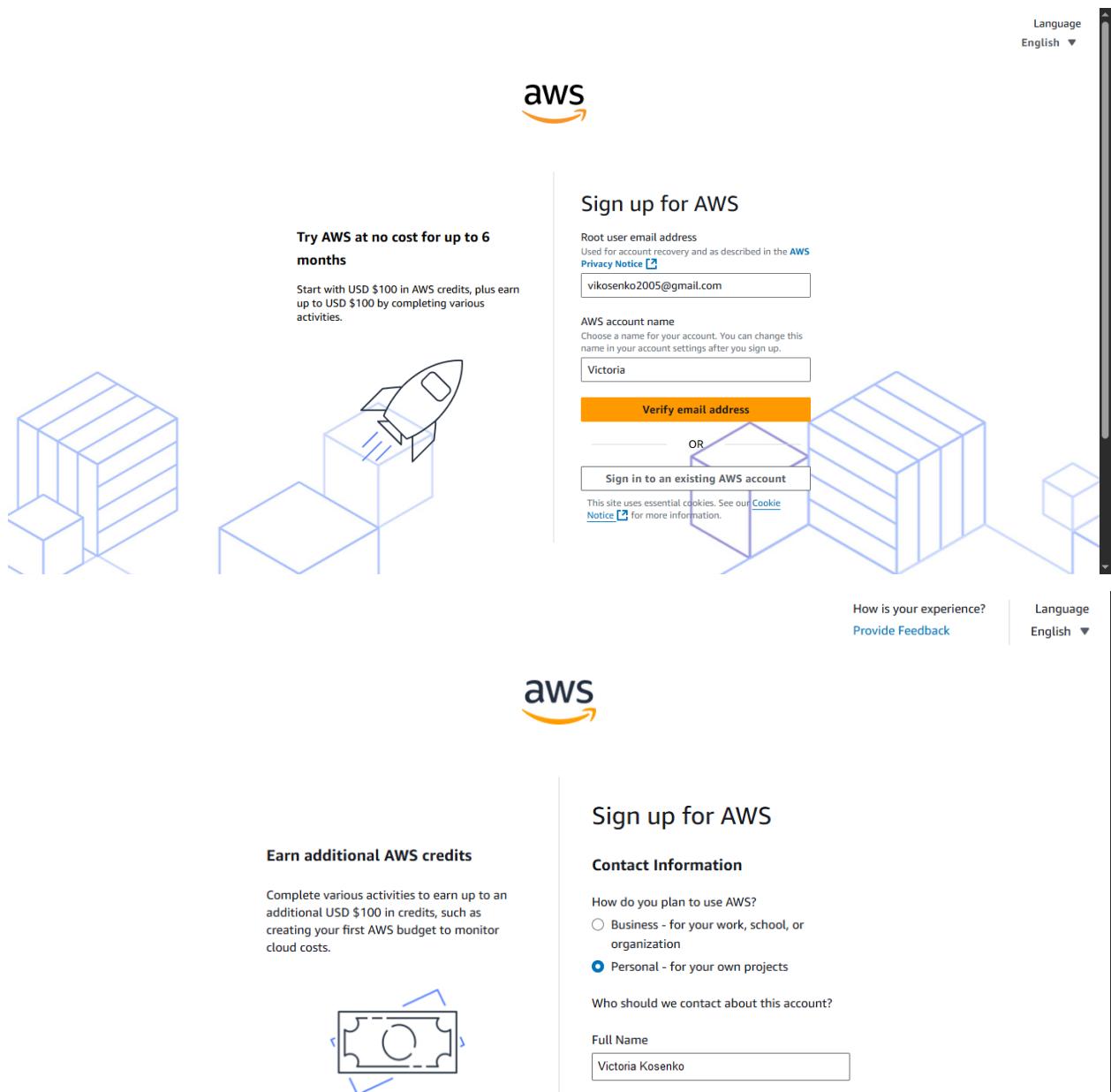


Рис. 1.1-1.2 – Етапи створення аккаунту AWS

2. Створили бакет S3

The screenshot shows the 'Create a bucket' wizard on the Amazon S3 website. The top navigation bar includes 'Storage' and the 'Amazon S3' logo. Below the logo, the slogan 'Store and retrieve any amount of data from anywhere' is displayed, followed by a brief description of the service's benefits.

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

Create bucket

Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#).

[View pricing details](#)

Resources

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How it works

A video player titled 'Introduction to Amazon S3 | Amazon Web Services' is shown, featuring a bucket icon and a play button.

CloudShell Feedback

Amazon S3 > Buckets > Create bucket

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

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

Bucket type: 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.

Directory
Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name: Info
kosenko-victoria

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. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn more](#)

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

Choose bucket

Format: s3://bucket/prefix

Object Ownership Info

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

Object Ownership

ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

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 all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

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.

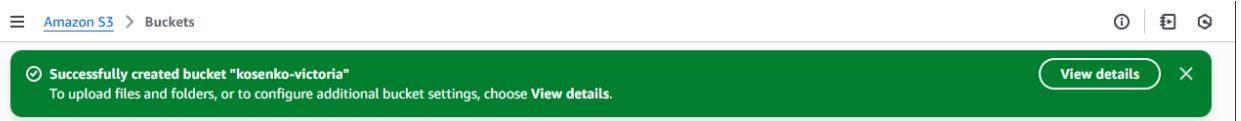


Рис. 2.1-2.3 – Створення S3 бакету

3. Завантажили HTML-сторінку

A screenshot of the 'Upload' interface in the Amazon S3 console. The path in the top navigation is 'Amazon S3 > Buckets > kosenko-victoria > Upload'.

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose [Add files](#) or [Add folder](#).

Files and folders (1 total, 840.0 B)

All files and folders in this table will be uploaded.

Name	Folder	Type	Size
<input checked="" type="checkbox"/> index.html	-	text/html	840.0 B

Destination Info

Destination
<s3://kosenko-victoria>

▶ **Destination details**
Bucket settings that impact new objects stored in the specified destination.

▶ **Permissions**
Grant public access and access to other AWS accounts.

▶ **Properties**
Specify storage class, encryption settings, tags, and more.

[Cancel](#) [Upload](#)

Рис. 3 – Завантаження файлу

4. Налаштували хостинг та отримали адресу сторінки

The screenshot shows the 'Edit static website hosting' configuration page in the AWS S3 console. Under 'Static website hosting', 'Enable' is selected. Under 'Hosting type', 'Host a static website' is selected. A note states: '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 settings for the bucket. For more information, see Using Amazon S3 Block Public Access.' In the 'Index document' field, 'index.html' is specified. In the 'Error document - optional' field, 'error.html' is specified. In the 'Redirection rules - optional' section, it says 'Redirection rules, written in JSON, automatically redirect webpage requests for specific content.' A 'Learn more' link is provided.

Рис. 4.1 – Налаштування доступу

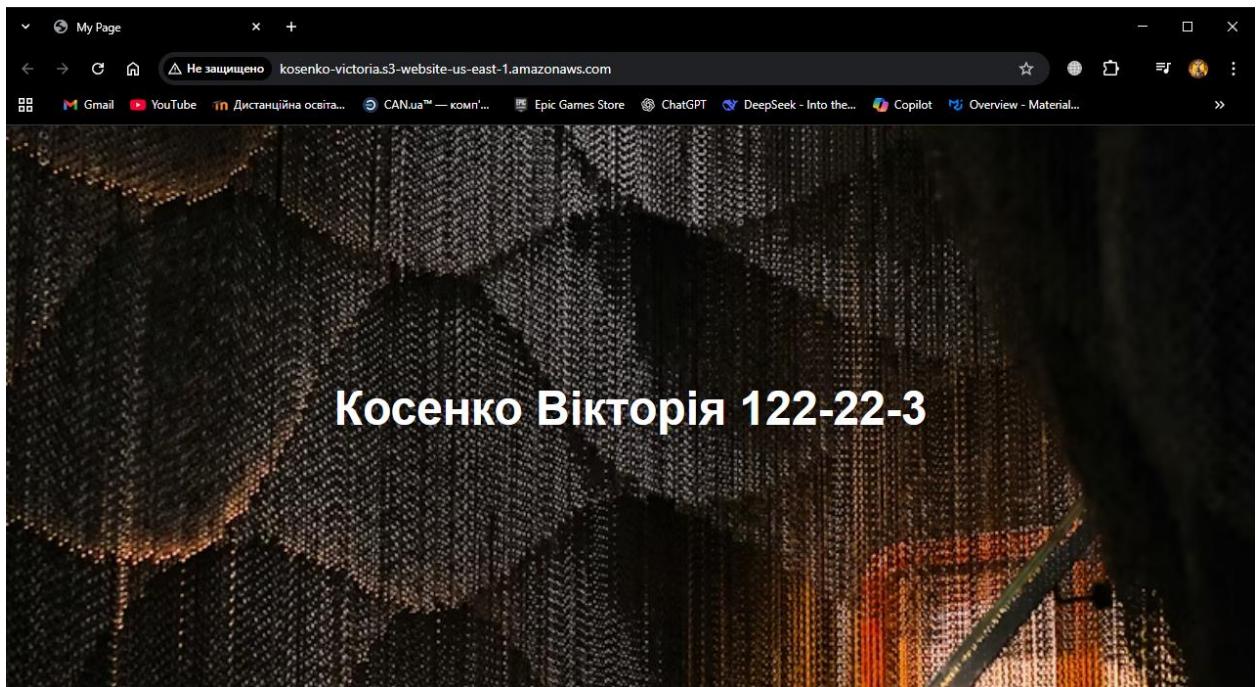


Рис. 4.2 – Створена сторінка

Посилання: <http://kosenko-victoria.s3-website-us-east-1.amazonaws.com>

Висновок: У ході виконання лабораторної роботи було здобуто практичні навички зі створення та налаштування бакета в AWS S3, а також із

завантаження та розгортання статичної веб-сторінки. Крім того, було опановано механізм надання публічного доступу до файлів через веб-хостинг S3, що дає змогу швидко та зручно розміщувати власні веб-ресурси.