

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



Факультет інформаційних технологій
Кафедра системного аналізу та управління

Звіт
з практичних робіт з дисципліни
«Аналіз програмного забезпечення»

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Тема: AWS S3.

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

Хід роботи

1. Зареєструвалися в системі AWS

The image displays two sequential screenshots of the AWS sign-up process.

Top Screenshot: Sign up for AWS

- Header:** AWS logo, Language: English.
- Left Panel:**
 - Try AWS at no cost for up to 6 months**
 - Start with USD \$100 in AWS credits, plus earn up to USD \$100 by completing various activities.
 - Illustration of a rocket launching from a cube.
- Right Panel:**
 - Sign up for AWS**
 - Root user email address**
Used for account recovery and as described in the [AWS Privacy Notice](#).
Field: vikosenko2005@gmail.com
 - AWS account name**
Choose a name for your account. You can change this name in your account settings after you sign up.
Field: Victoria
 - Verify email address** (orange button)
 - OR**
 - Sign in to an existing AWS account**
 - Footer: This site uses essential cookies. See our [Cookie Notice](#) for more information.

Bottom Screenshot: Sign up for AWS

- Header:** AWS logo, Language: English.
- Left Panel:**
 - Earn additional AWS credits**
 - Complete various activities to earn up to an additional USD \$100 in credits, such as creating your first AWS budget to monitor cloud costs.
 - Illustration of a dollar bill.
- Right Panel:**
 - Sign up for AWS**
 - Contact Information**
 - How do you plan to use AWS?**
 - ☐ Business - for your work, school, or organization
 - ☒ Personal - for your own projects
 - Who should we contact about this account?**
 - Full Name**
Field: Victoria Kosenko

Рис. 1.1-1.2 – Етапи створення аккаунту AWS

2. Створили бакет S3

Storage

Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

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

How it works



CloudShell Feedback

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Amazon S3 > Buckets > Create bucket

Info

Create bucket

Buckets are containers for data stored in S3.

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.

☐ **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.

Object Ownership
Bucket owner enforced

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.

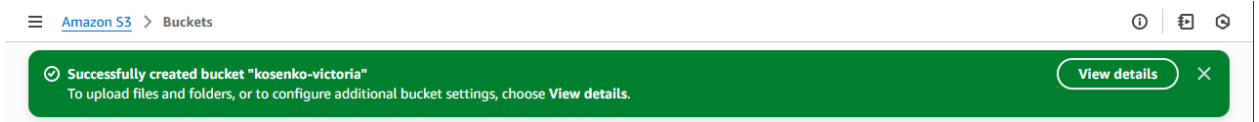


Рис. 2.1-2.3 – Створення S3 бакету

3. Завантажили HTML-сторінку

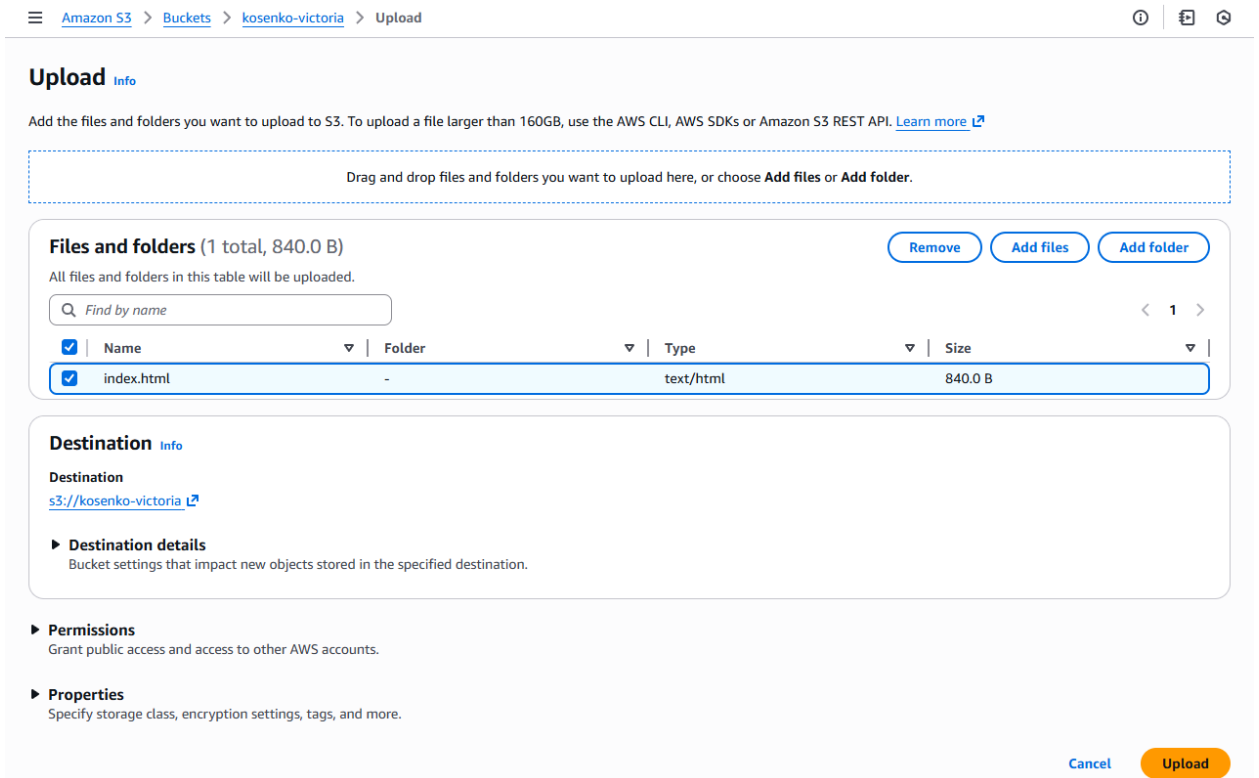


Рис. 3 – Завантаження файлу

4. Налаштували хостинг та отримали адресу сторінки

The screenshot shows the AWS Management Console interface for editing static website hosting on a bucket named 'kosenko-victoria'. The breadcrumb navigation at the top reads: Amazon S3 > Buckets > kosenko-victoria > Edit static website hosting. The main heading is 'Edit static website hosting' with an 'Info' link. Below this, the 'Static website hosting' section indicates the bucket is used to host a website or redirect requests, with a 'Learn more' link. Under 'Static website hosting', the 'Enable' radio button is selected. The 'Hosting type' section has 'Host a static website' selected, with a note to use the bucket endpoint as the web address and a 'Learn more' link. An alternative option, 'Redirect requests for an object', is also present with its own 'Learn more' link. A blue information box 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'. The 'Index document' field is set to 'index.html'. The 'Error document - optional' field is set to 'error.html'. The 'Redirection rules - optional' section is at the bottom, with a note that rules are written in JSON and a 'Learn more' link.

Рис. 4.1 – Налаштування доступу

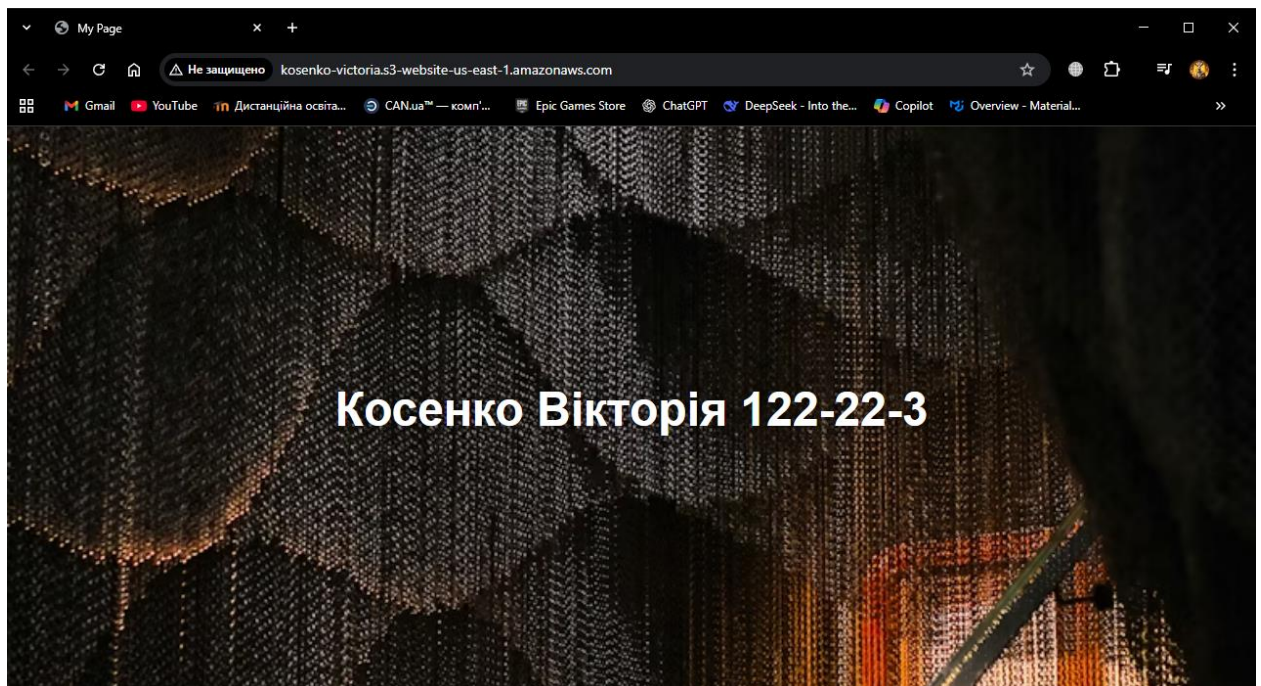


Рис. 4.2 – Створена сторінка

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.