

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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Дніпро

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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. The top screenshot shows the 'Sign up for AWS' page. On the left, there is a promotional banner for 'Try AWS at no cost for up to 6 months' with an illustration of a rocket launching from a cube. The main form on the right includes fields for 'Root user email address' (filled with 'bablmaria24@gmail.com') and 'AWS account name' (filled with 'Maria'). Below these fields are buttons for 'Verify email address' and 'Sign in to an existing AWS account'. The bottom screenshot shows the 'Contact Information' section. It includes a section for 'Earn additional AWS credits' with an illustration of a dollar bill. The 'Contact Information' section has two radio buttons: 'Business - for your work, school, or organization' (unselected) and 'Personal - for your own projects' (selected). Below these is a 'Full Name' field filled with 'Maria Babina'.

Language
English ▼

aws

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.

Sign up for AWS

Root user email address
Used for account recovery and as described in the [AWS Privacy Notice](#)

bablmaria24@gmail.com

AWS account name
Choose a name for your account. You can change this name in your account settings after you sign up.

Maria

Verify email address

OR

Sign in to an existing AWS account

This site uses essential cookies. See our [Cookie Notice](#) for more information.

How is your experience?
[Provide Feedback](#)

Language
English ▼

aws

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.

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

Maria Babina

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

How it works



Amazon S3

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

CloudShell Feedback

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aws

Search [Alt+S]

United States (N. Virginia) Account ID: 7719-3506-7508 Anton

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 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

babina-maria

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.

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Successfully created bucket "babina-maria"

To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Рис. 2.1-2.3 – Створення S3 бакету

3. Завантажили HTML-сторінку

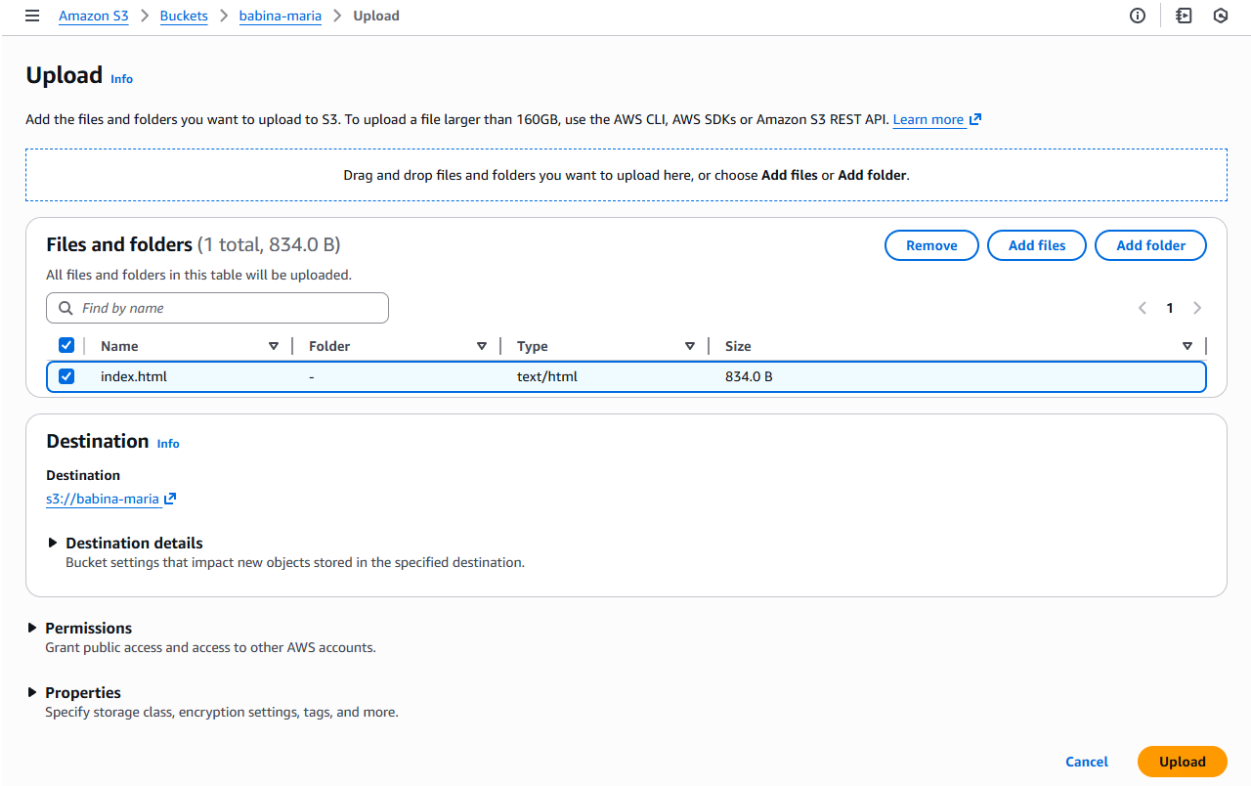


Рис. 3 – Завантаження файлу

4. Налаштували хостинг та отримали адресу сторінки

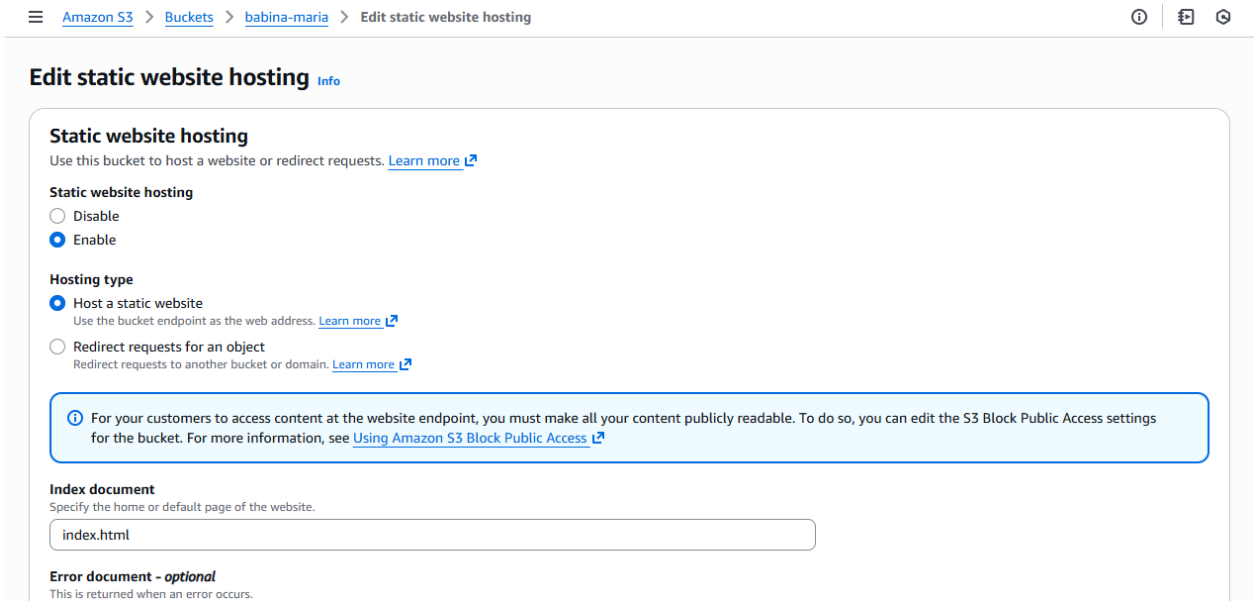


Рис. 4.1 – Налаштування доступу

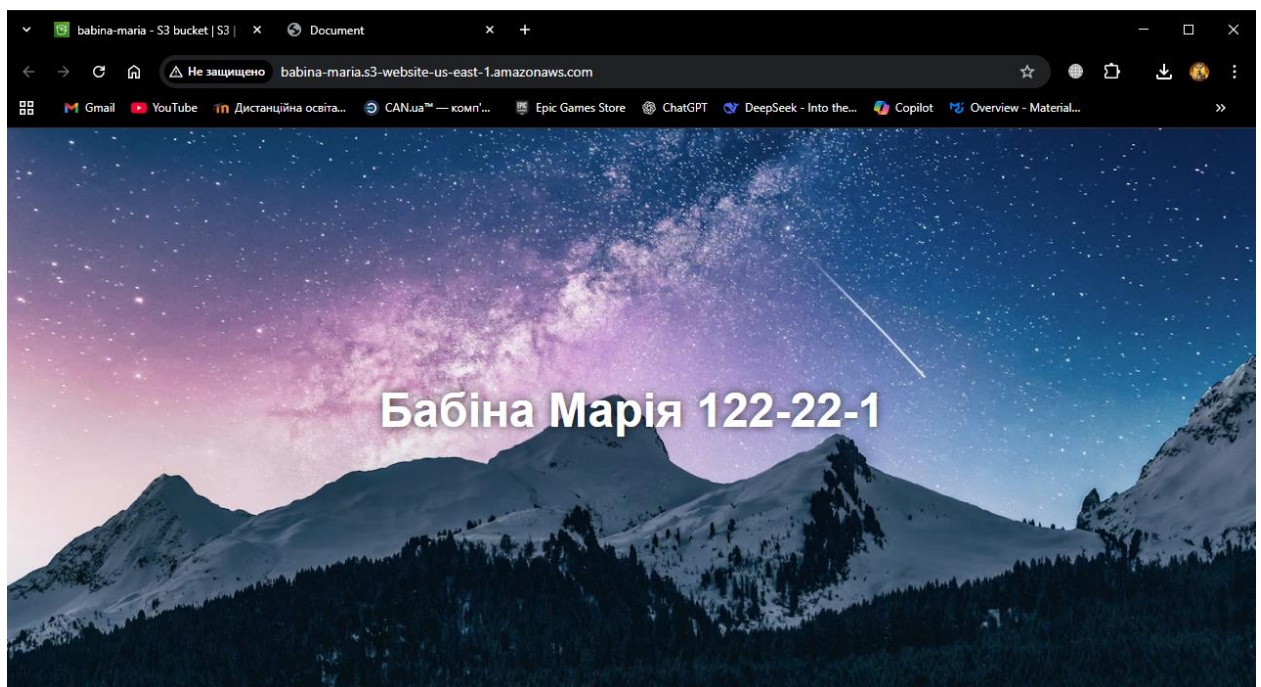


Рис. 4.2 – Створена сторінка

Посилання: <http://babina-maria.s3-website-us-east-1.amazonaws.com>

Висновок: У процесі виконання лабораторної роботи було здобуто практичні навички зі створення та налаштування бакета в AWS S3, а також завантаження й розгортання статичної веб-сторінки. Додатково було

опановано механізм надання публічного доступу до об'єктів через веб-хостинг S3, що забезпечує швидке та зручне розміщення власних веб-ресурсів. Отримані навички формують базове розуміння роботи з хмарною інфраструктурою та розширюють можливості для публікації веб-проектів.