

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 screenshot shows the AWS sign-up process. On the left, there's a promotional banner for trying AWS at no cost for up to 6 months, mentioning \$100 in credits. Below it is a graphic of a rocket launching from a stack of three cubes. On the right, the main sign-up form is displayed under the heading "Sign up for AWS". It includes fields for "Root user email address" (containing "bablmaria24@gmail.com") and "AWS account name" (containing "Maria"). There are two prominent buttons: "Verify email address" (in orange) and "Sign in to an existing AWS account". A note below the buttons states: "This site uses essential cookies. See our [Cookie Notice](#) for more information." At the bottom of the form, there are links for "How is your experience?", "Provide Feedback", and language selection ("Language English").

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.

aws

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

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.

aws

Sign up for AWS

Contact Information

How do you plan to use AWS?

Business - for your work, school, or organization

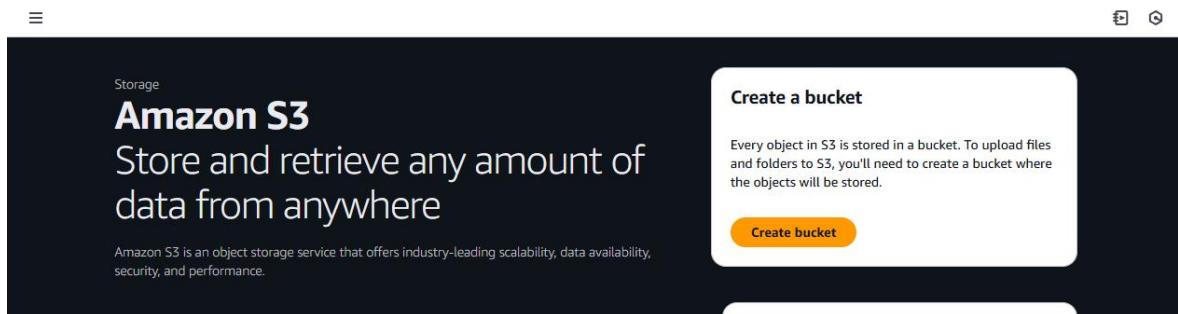
Personal - for your own projects

Who should we contact about this account?

Full Name
Maria Babina

Рис. 1.1-1.2 – Етапи створення аккаунту AWS

2. Створили бакет S3



The screenshot shows the Amazon S3 landing page. On the right, there's a large callout box titled "Create a bucket" with the subtext: "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." Below it is a "Create bucket" button.

How it works



A diagram illustrating how S3 integrates with other AWS services. It shows a video player interface with a play button, surrounded by clouds and storage icons, representing the seamless integration of video content with cloud storage.

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 Search [Alt+S] Account ID: 7719-3506-7508 Anton United States (N. Virginia) Privacy Terms Cookie preferences

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

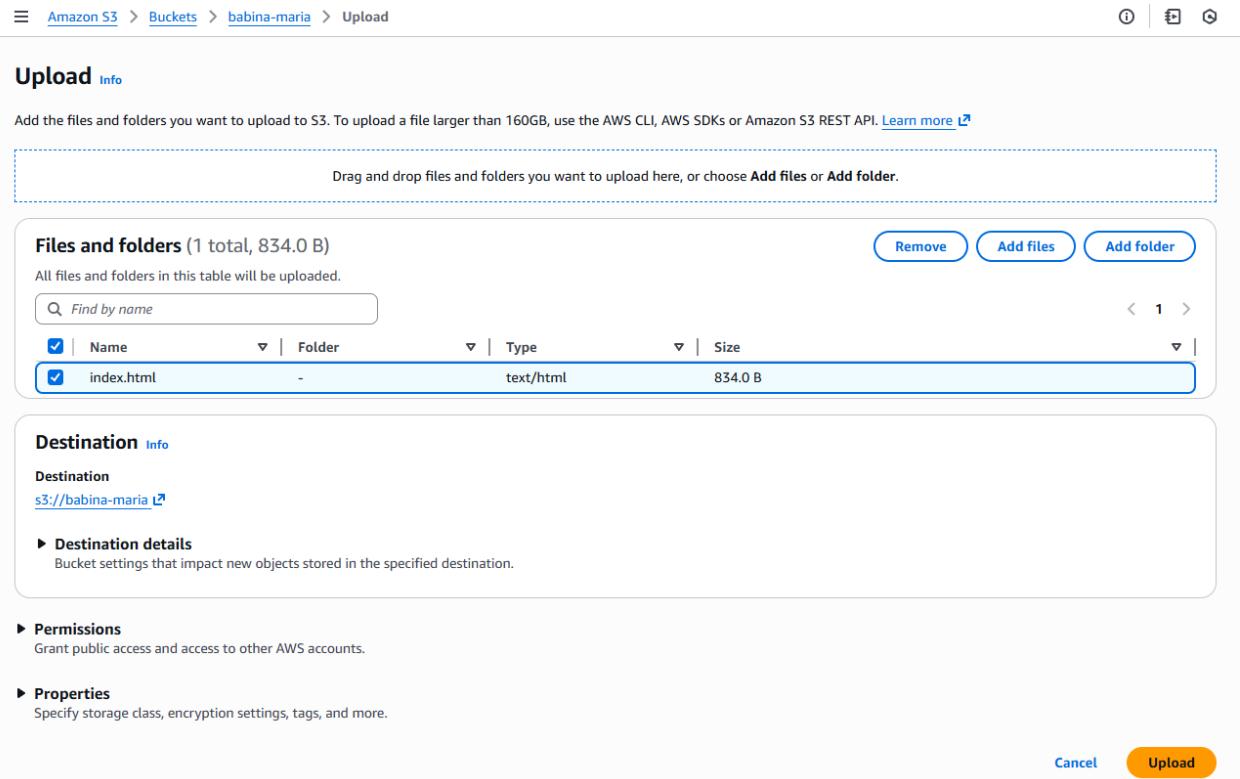


Рис. 3 – Завантаження файлу

4. Налаштували хостинг та отримали адресу сторінки

The screenshot shows the 'Edit static website hosting' page for the 'babina-maria' bucket. Under 'Static website hosting', 'Enable' is selected. Under 'Hosting type', 'Host a static website' is selected. A note indicates that content must be publicly readable. The 'Index document' field contains 'index.html'. The 'Error document - optional' field is empty.

Рис. 4.1 – Налаштування доступу

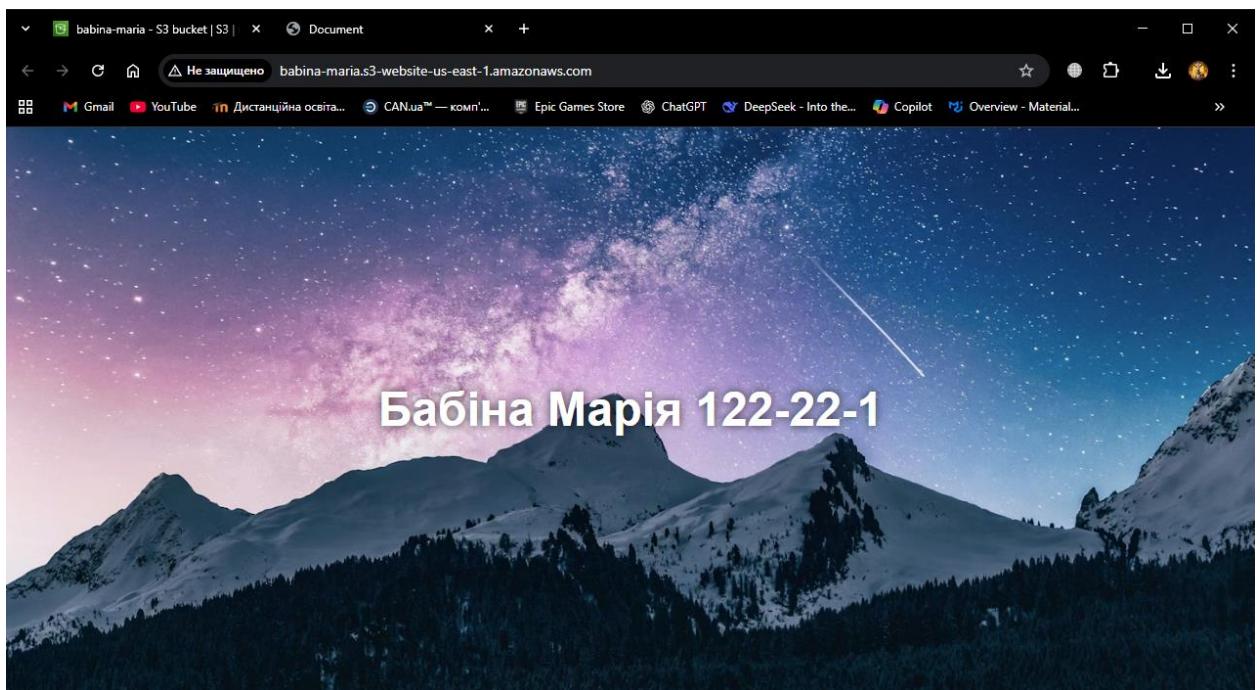


Рис. 4.2 – Створена сторінка

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 розширяють можливості для публікації веб-проектів.