

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 initial sign-up page with the AWS logo at the top. On the left, there is a promotional banner for a 6-month free trial. The main form area is titled 'Sign up for AWS' and includes fields for 'Root user email address' (containing 'andreygrek@gmail.com') and 'AWS account name' (containing 'Andrey'). 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 of the sign-up process. It includes a question 'How do you plan to use AWS?' with two radio button options: 'Business - for your work, school, or organization' and 'Personal - for your own projects' (which is selected). Below this is a question 'Who should we contact about this account?' followed by a 'Full Name' field containing 'Andrey Grekov'. The AWS logo is also present at the top of this section.

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

?

🔍

🔄

## 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](#)  
grekov-andrey

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.

✔ Successfully created bucket "grekov-andrey"  
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

[View details](#) ✕

Рис. 2.1-2.3 – Створення S3 бакету

### 3. Завантажили HTML-сторінку

**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, 763.0 B) [Remove](#) [Add files](#) [Add folder](#)

All files and folders in this table will be uploaded.

<input checked="" type="checkbox"/>	Name	Folder	Type	Size
<input checked="" type="checkbox"/>	index.html	-	text/html	763.0 B

**Destination** [Info](#)

**Destination**  
[s3://grekov-andrey](#)

► **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

**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](#)

**Index document**  
Specify the home or default page of the website.

**Error document - optional**  
This is returned when an error occurs.

**Redirection rules - optional**  
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

Рис. 4.1 – Налаштування доступу

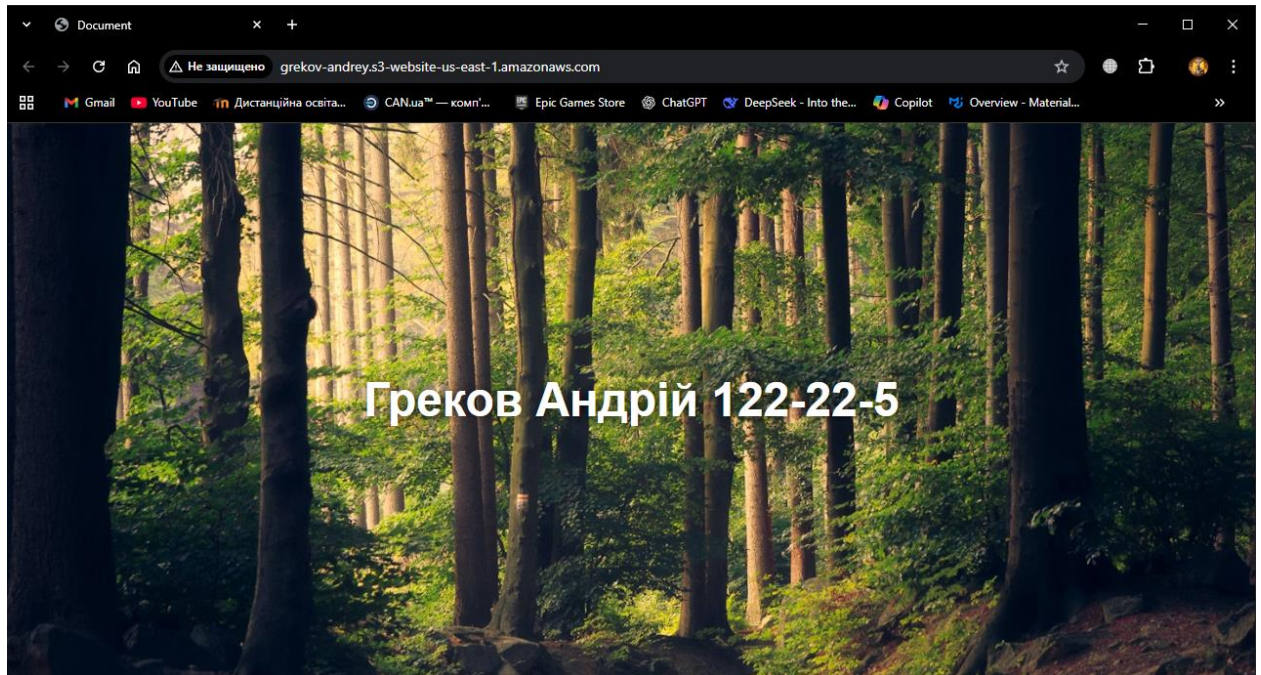


Рис. 4.2 – Створена сторінка

Посилання: <http://grekov-andrey.s3-website-us-east-1.amazonaws.com>

**Висновок:** Під час виконання лабораторної роботи було отримано практичні навички зі створення та налаштування бакета в AWS S3, а також із завантаження й публікації статичної веб-сторінки. Крім того, було засвоєно механізм відкриття публічного доступу до файлів через веб-хостинг S3, що забезпечує швидке та зручне розміщення власних веб-ресурсів.