

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»

Виконав:

студент групи 122-22-3

Третяк Д.Ю.

Перевірили:

доц. Мінєєв О.С.

ас. Шевченко Ю.О.

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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

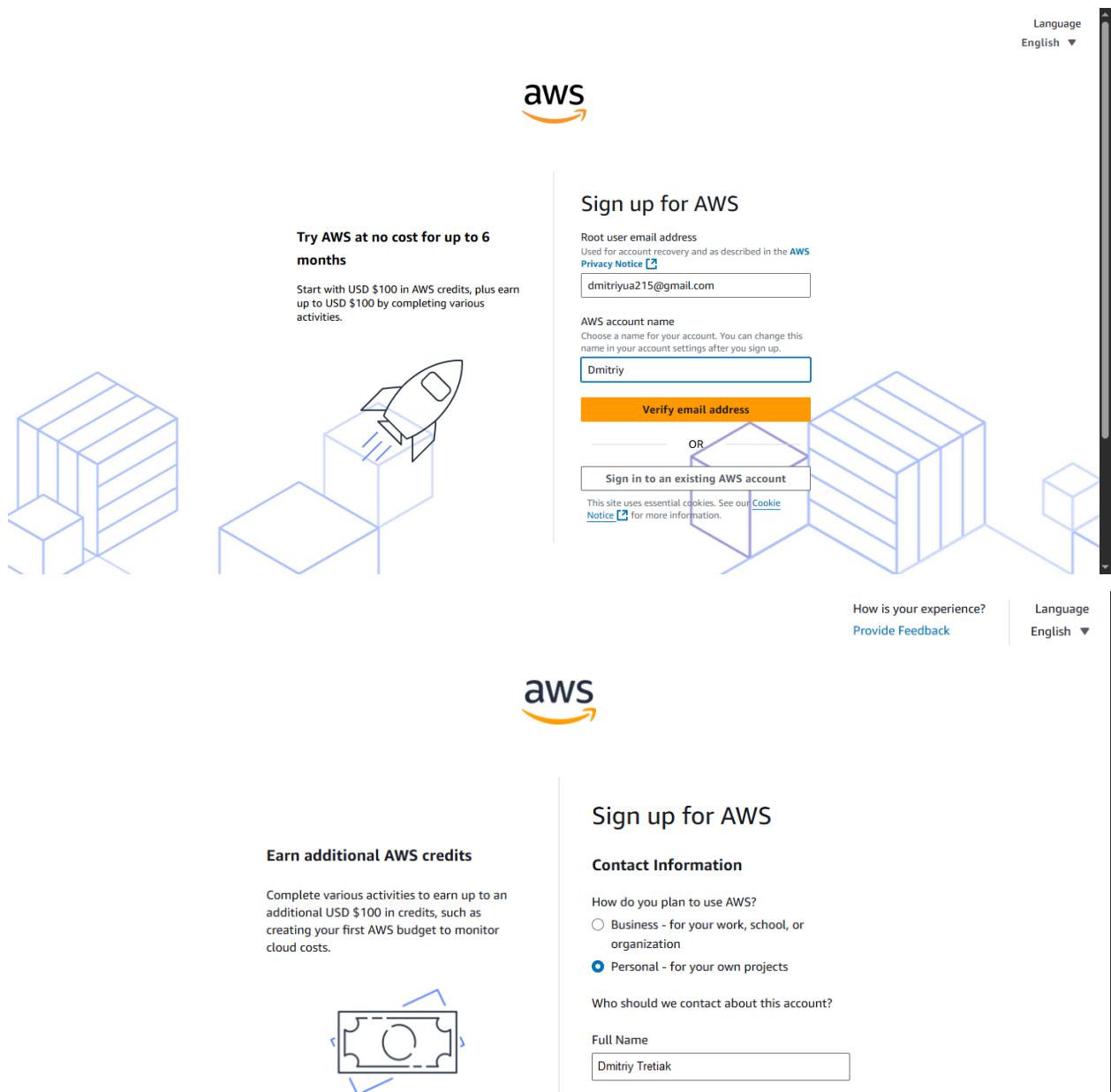


Рис. 1.1-1.2 – Етапи створення аккаунту AWS

2. Створили бакет S3

The screenshot shows the 'Create a bucket' wizard on the Amazon S3 website. It includes sections for 'Create a bucket', 'Pricing', and 'Resources'. Below this, the 'General configuration' step is shown, followed by 'Object Ownership', and finally 'Block Public Access settings for this bucket'. A success message at the bottom indicates the bucket was created successfully.

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

Introduction to Amazon S3 | Amazon Web Service... Копировать

Amazon S3

CloudShell Feedback

Amazon S3 > Buckets > Create bucket

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](#)
tretiak-dmitriy

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 is independent of one another.

Success Successfully created bucket "tretiak-dmitriy"

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

The screenshot shows the 'Upload' interface in the Amazon S3 service. At the top, the navigation path is: Amazon S3 > Buckets > tretiak-dmitriy > Upload. Below the path is a header 'Upload' with a 'Info' link. A note says: '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'.

A large dashed blue box provides a placeholder for dragging and dropping files or folders. Below it, a message says: 'Drag and drop files and folders you want to upload here, or choose Add files or Add folder.'

A table titled 'Files and folders (1 total, 835.0 B)' lists the uploaded file: 'index.html'. The table has columns: Name, Folder, Type, and Size. The file 'index.html' is listed with a size of 835.0 B. Buttons for 'Remove', 'Add files', and 'Add folder' are at the top right of the table area.

The 'Destination' section shows the destination as 's3://tretiak-dmitriy'. It includes a 'Destination details' section with a note about bucket settings for new objects.

Below the destination section are sections for 'Permissions' (with a note about public access) and 'Properties' (with a note about storage class, encryption, and tags). At the bottom right are 'Cancel' and 'Upload' buttons.

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 indicates that customers must make all content publicly readable. Under 'Index document', 'index.html' is specified. Under 'Error document - optional', 'error.html' is specified. Under 'Redirection rules - optional', it says 'Redirection rules, written in JSON, automatically redirect webpage requests for specific content.' The URL 'tretiak-dmitriy.s3-website-us-east-1.amazonaws.com' is shown at the top of the browser.

Рис. 4.1 – Налаштування доступу

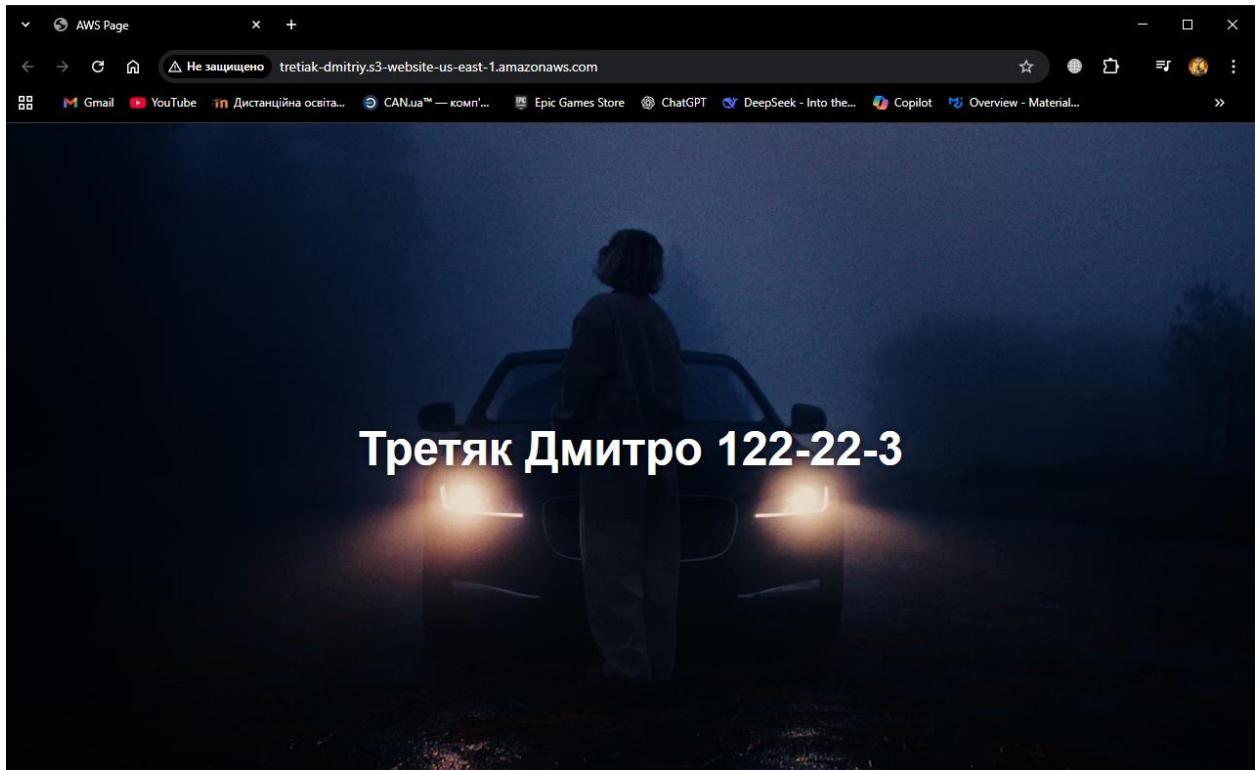


Рис. 4.2 – Створена сторінка

Посилання: <http://tretiak-dmitriy.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.