

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ

ДВНЗ НТУ «Дніпровська політехніка»

Інститут електроенергетики

Факультет інформаційних технологій

Кафедра САІУ



Практична робота

З дисципліни "Аналіз програмного забезпечення"

Виконав:

Ст. гр. 122-22-3

Пономарєв Д. С.

Перевірив:

ас. Шевченко Ю. А.

Дніпро

2025

Практична робота №4

Тема: AWS S3.

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

Хід роботи

Процес створення бакету зображенний на рис. 1 – 3.

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
Europe (Stockholm) eu-north-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](#)
ponomariev-dmytro-122-22-3

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

Рис. 1 - Створення нового бакету.

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.

Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.

Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

⚠ Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Рис. 2 - Створення нового бакету.

The screenshot shows the AWS S3 'General purpose buckets' page. At the top, there is a search bar labeled 'Find buckets by name'. Below it is a table with three columns: 'Name', 'AWS Region', and 'Creation date'. A single row is visible, showing the bucket 'ponomariev-dmytro-122-22-3' in the 'Europe (Stockholm) eu-north-1' region, created on 'November 5, 2025, 21:53:15 (UTC+02:00)'. Action buttons for 'Copy ARN', 'Empty', 'Delete', and 'Create bucket' are located at the top right.

Рис. 3 - Новий бакет.

Налаштування бакету та результат роботи зображенено на рис 4 – 6.

The screenshot shows the contents of the newly created bucket. It lists one object, 'index.html', which is an 'html' file last modified on November 5, 2025, at 21:56:43 (UTC+02:00). The file size is 1.7 KB and has a 'Standard' storage class. Action buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload' are available at the top.

Рис. 4 - Додана html сторінка.

The screenshot shows the 'Static website hosting' configuration for the bucket. It is currently 'Enabled'. Under 'Hosting type', it is set to 'Bucket hosting'. In the 'Bucket website endpoint' section, it shows the website is available at <http://ponomariev-dmytro-122-22-3.s3-website.eu-north-1.amazonaws.com>. A note recommends using AWS Amplify Hosting for static website hosting. A button to 'Create Amplify app' is also present.

Рис. 5 - Налаштування бакету.



Рис. 6 - Результат роботи бакету.

Бакет доступний за посиланням: <http://ponomariev-dmytro-122-22-3.s3-website.eu-north-1.amazonaws.com/>

Висновки: під час виконання лабораторної роботи набували навичок у створенні і розміщенні статичної веб-сторінки на AWS S3.