

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ
«ДНІПРОВСЬКА ПОЛІТЕХНІКА»



ФАКУЛЬТЕТ ІНФОРМАЦІЙНИХ ТЕХНОЛОГІЙ

ЗВІТ

про виконання практичної роботи №4

**з дисципліни
«АПЗ»**

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Дніпро

2025

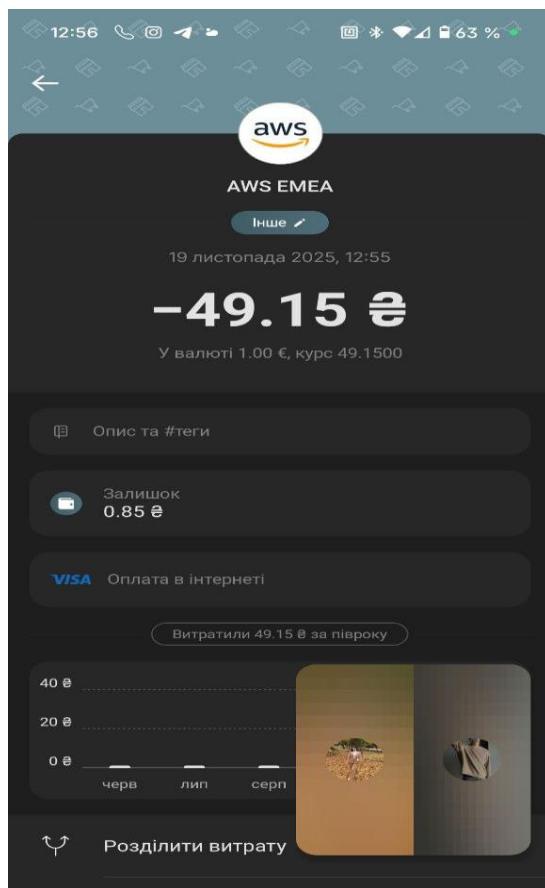
ПРАКТИЧНА РОБОТА №4

Тема: AWS S3

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

Очікувані результати навчання: уміння створити і розмістити сторінку з власними даними на ресурсі AWS S3.

Реєстрація та оплата:



The screenshot shows the AWS Console Home page. In the top right corner, there is a search bar with the placeholder "Search" and a keyboard shortcut "[Alt+S]". To the right of the search bar are account details: "Account ID: 3755-2013-4849", "Region: Europe (Stockholm)", and a user name "maximolchanov". Below the search bar is a "Reset to default layout" button and a "+ Add widgets" button.

The main content area features several sections:

- Recently visited**: Shows a large icon of a cube and a message "No recently visited services". Below it, a link to "View all services".
- Applications**: Shows a message "The data couldn't be retrieved. Try again later." and a "Create application" button.
- Welcome to AWS**: Includes a "Getting started with AWS" link and a "Learn the fundamentals and..." link.
- AWS Health**: Shows "Open issues 0" and "Past 7 days".
- Cost and usage**: Shows a small icon and a "Go to myApplications" link.

At the bottom of the page are links for "CloudShell", "Feedback", and "Console Mobile App". The footer contains copyright information: "© 2025, Amazon Web Services, Inc. or its affiliates.", "Privacy", "Terms", and "Cookie preferences".

Створення Bucket

The screenshot shows the Amazon S3 service landing page. At the top left, it says "Storage" and "Amazon S3". The main heading is "Store and retrieve any amount of data from anywhere". Below the heading, a subtext states: "Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance." On the right side, there is a callout box with the title "Create a bucket". Inside the box, it says: "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." At the bottom of the box is a prominent orange "Create bucket" button.

Amazon S3 > Buckets > Create bucket

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

Maxim_Molchanov_bucket

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

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.

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.

ⓘ After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel **Create bucket**

✓ Successfully created bucket "maximmolchanovbucket"
To upload files and folders, or to configure additional bucket settings, choose **View details**.

View details **X**

General purpose buckets All AWS Regions **Directory buckets**

General purpose buckets (1) Info **Create bucket**

Buckets are containers for data stored in S3.

| Name | AWS Region | Creation date |
|--------------------------------------|-------------------------------|--|
| maximmolchanovbucket | Europe (Stockholm) eu-north-1 | November 19, 2025, 13:09:32 (UTC+02:00) |

Find buckets by name **1**

Account snapshot Info Updated daily
Storage Lens provides visibility into storage usage and activity trends.

External access summary - new Info Updated daily
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

Завантаження html

AWS | Search [Alt+S] | Europe (Stockholm) | Account ID: 3755-2013-4849 | maximmolchanov

Amazon S3 > Buckets > maximmolchanovbucket > Upload

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, 228.0 B)

All files and folders in this table will be uploaded.

| <input type="checkbox"/> | Name | Folder | Type | Size |
|--------------------------|----------------|--------|-----------|---------|
| <input type="checkbox"/> | Molchanov.html | - | text/html | 228.0 B |

Destination Info

Destination
[s3://maximmolchanovbucket ↗](s3://maximmolchanovbucket)

▶ 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**

☰

Upload succeeded
For more information, see the [Files and folders](#) table.

Upload: status

Close

ⓘ After you navigate away from this page, the following information is no longer available.

Summary

| Destination | Succeeded | Failed |
|---------------------------|-----------------------------|---------------------|
| s3://maximmolchanovbucket | ✓ 1 file, 228.0 B (100.00%) | ✗ 0 files, 0 B (0%) |

[Files and folders](#) [Configuration](#)

Files and folders (1 total, 228.0 B)

| Name | Folder | Type | Size | Status | Error |
|--------------------------------|--------|-----------|---------|-------------|-------|
| Molchanov.html | - | text/html | 228.0 B | ✓ Succeeded | - |

Налаштування доступу

Molchanov.html [Info](#)

[Copy S3 URI](#) [Download](#) [Open](#) [Object actions](#)

[Properties](#) [Permissions](#) [Versions](#)

Access control list (ACL)

Grant basic read/write permissions to AWS accounts. [Learn more](#)

ⓘ This bucket has the bucket owner enforced setting applied for Object Ownership
When [bucket owner enforced](#) is applied, use bucket policies to control access. [Learn more](#)

| Grantee | Object | Object ACL |
|---|--------|-------------|
| Object owner (your AWS account) Canonical ID: 01c7515ef745e997d057acd8cc54468b8160bdb43d400831e5998e7fb1fa0f7e | Read | Read, Write |
| Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers | - | - |
| Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers | - | - |

Object Ownership

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.

⚠️ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead of ACLs to share data with users outside of your account simplifies permissions management and auditing.

⚠️ Enabling ACLs turns off the bucket owner enforced setting for Object Ownership

Once the bucket owner enforced setting is turned off, access control lists (ACLs) and their associated permissions are restored. Access to objects that you do not own will be based on ACLs and not the bucket policy.

I acknowledge that ACLs will be restored.

Object Ownership

Bucket owner preferred

If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.

Object writer

The object writer remains the object owner.

ⓘ If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. [Learn more ↗](#)

[Cancel](#)

[Save changes](#)

Edit access control list Info

Access control list (ACL)

Grant basic read/write permissions to AWS accounts. [Learn more ↗](#)

| Grantee | Objects | Object ACL |
|---|---|---|
| Object owner (your AWS account) | <input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write | <input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write |
| Canonical ID: 01c7515ef745e997d057acd8cc54468b8160bdb43d400831e5998e7fb1fa0f7e | | |
| Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers | <input checked="" type="checkbox"/> ⚠ Read <input type="checkbox"/> Write | <input checked="" type="checkbox"/> ⚠ Read <input type="checkbox"/> Write |
| Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers | <input checked="" type="checkbox"/> ⚠ Read <input type="checkbox"/> Write | <input checked="" type="checkbox"/> ⚠ Read <input type="checkbox"/> Write |

⚠ When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access this object.

[Learn more ↗](#)

I understand the effects of these changes on this object.

✖ You must select the check box to continue.

Access for other AWS accounts

No other AWS accounts associated with the resource.

[Add grantee](#)

Налаштування посилання

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 ↗](#)

ⓘ For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access ↗](#)

Index document

Specify the home or default page of the website.

Molchanov.html

Error document - *optional*

This is returned when an error occurs.

error.html

Redirection rules - *optional*

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

1

Edit static website hosting Info

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more ↗](#)

Static website hosting

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Hosting type

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Use the bucket endpoint as the web address. [Learn more ↗](#)

- Redirect requests for an object

Redirect requests to another bucket or domain. [Learn more ↗](#)

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| | |
|---|--|
| 1 | |
|---|--|

Посилання:

<http://maximmolchanovbucket.s3-website.eu-north-1.amazonaws.com>