МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ

НАЦІОНАЛЬНИЙ ТЕХНІЧНИЙ УНІВЕРСИТЕТ

«ДНІПРОВСЬКА ПОЛІТЕХНІКА»

ФАКУЛЬТЕТ ІНФОРМАЦІЙНИХ ТЕХНОЛОГІЙ

ЗВІТ

про виконання практичної роботи №4

з дисципліни
«АПЗ»

Виконав:

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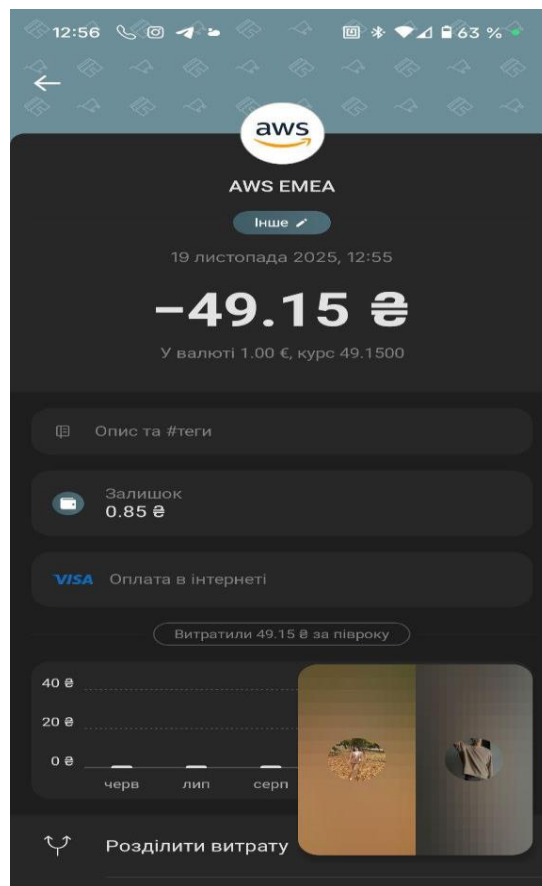Молчанов Максим

Перевірив:

ас. Шевченко Ю.О.

Дніпро
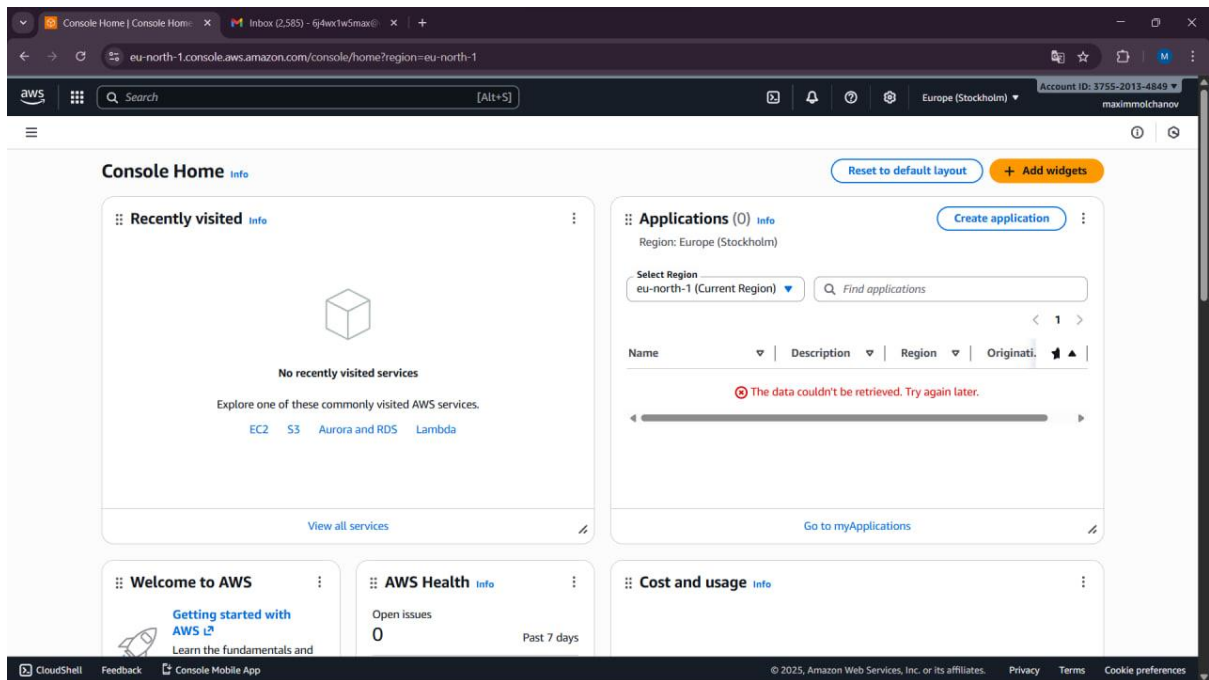
2025

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:

Створення 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.

Завантаження html

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.

[Remove]   [Add files]   [Add folder]

🔍 Find by name   ‹ 1 ›

☐	Name ▽	Folder ▽	Type ▽	Size ▽
☐	Molchanov.html	-	text/html	228.0 B

Destination Info

Destination

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]

Налаштування доступу

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) Canonical ID: ▯ 01c7515ef745e9 97d057acd8cc54468b8160bdb43d 400831e5998e7fb1fa0f7e	☑ Read	☑ Read ☑ Write
Everyone (public access) Group: ▯ http://acs.amazonaws.c om/groups/global/AllUsers	☑ ⚠ Read	☑ ⚠ Read ☐ Write
Authenticated users group (anyone with an AWS account) Group: ▯ http://acs.amazonaws.c om/groups/global/AuthenticatedUs ers	☑ ⚠ Read	☑ ⚠ Read ☐ 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 |
```

Посилання:

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