

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

ФАКУЛЬТЕТ ІНФОРМАЦІЙНИХ ТЕХНОЛОГІЙ

Кафедра системного аналізу та управління

Лабораторна робота №4

з дисципліни

«Аналіз програмного забезпечення»

Виконав:

студент групи 122-22-6
Некрасов Володимир
Олександрович

Перевірив:

доцент
Мінеєв Олександр Сергійович

Дніпро

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Тема: AWS S3.

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

Основні кроки виконання:

Крок 1. Зареєструватися в системі AWS.

Крок 2. Створити бакет у S3 з вашим прізвищем та іменем.

Крок 3. Розмістити на S3 статичну веб-сторінку, яка містить ваше ПІБ та Вашу академічну групу.

Крок 4. Налаштування хостингу і отримання публічної адреси сторінки, наприклад: <https://kbaleiko-bucket-apz.s3-website.eu-north-1.amazonaws.com/>

Хід роботи

Крок 1

1. Переходимо за посиланням <https://aws.amazon.com/> та створюємо новий акаунт.

Explore Free Tier products with a new AWS account.

To learn more, visit aws.amazon.com/free.



Sign up for AWS

Root user email address

Used for account recovery and some administrative functions

AWS account name

Choose a name for your account. You can change this name in your account settings after you sign up.

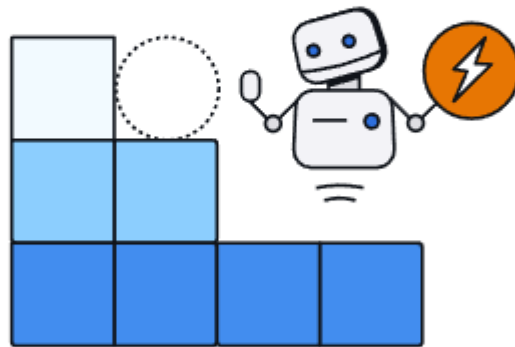
Verify email address

OR

Sign in to an existing AWS account

2. Вводимо свій email, ім'я і прізвище, пароль. Далі підтверджуємо свій акаунт через електронну пошту.

3. Вводимо платіжні дані.



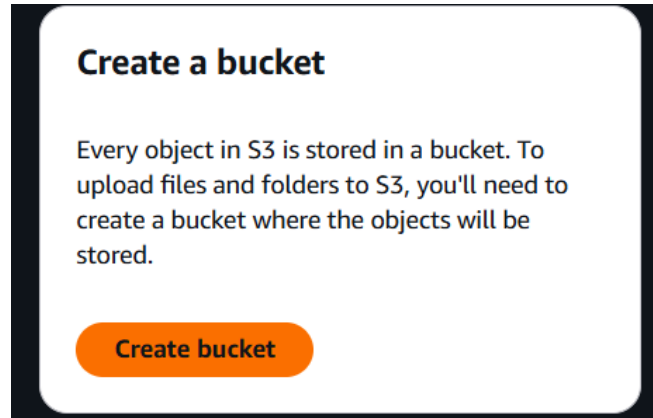
⌋ **Выполняется настройка вашего аккаунта AWS**

Подождите немного! Этот процесс занимает около 10 секунд.

4. Після перевірки переходимо до наступного кроку.

Крок 2

1. Вхідимо у AWS Console: <https://console.aws.amazon.com/s3/> та натискаємо Create bucket.



2. Заповнюємо його.

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](#)

nekrasov-bucket-apz

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.

Маємо створений bucket:

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

General purpose buckets

All AWS Regions

Directory buckets

General purpose buckets (1) [Info](#)

Buckets are containers for data stored in S3.

Find buckets by name

< 1 >

Name	AWS Region	Creation date
nekrasov-bucket-apz	Europe (Stockholm) eu-north-1	November 16, 2025, 16:49:16 (UTC+02:00)

Copy ARN

Empty

Delete

Create bucket

Account snapshot [Info](#)

Updated daily

[View dashboard](#)

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.

Крок 3

1. Створюємо у блокноті на комп'ютері файл index.html з наступним вмістом:

```
1 <!doctype html>
2 <html lang="uk">
3 <head>
4   <meta charset="utf-8" />
5   <meta name="viewport" content="width=device-width,initial-scale=1" />
6   <title>rp. 122-22-6 Некрасов Володимир Олександрович АПЗ лаб4</title>
7   <style>
8     :root{--bg:#0f172a;--card:#0b1220;--accent:#60a5fa}
9     html,body{height:100%;margin:0}
10    body{
11      display:flex;align-items:center;justify-content:center;
12      background:linear-gradient(180deg,var(--bg),#020617);
13      font-family:system-ui,-apple-system,"Segoe UI",Roboto,"Helvetica Neue",Arial;
14      color:#fff;
15    }
16    .wrap{
17      text-align:center;padding:48px;border-radius:16px;background:rgba(255,255,255,0.02);
18      box-shadow:0 10px 30px rgba(2,6,23,0.6);backdrop-filter:blur(6px);
19      max-width:1000px;margin:20px;
20    }
21    .large{font-size:56px;line-height:1;margin:8px 0;font-weight:700}
22    .medium{font-size:42px;line-height:1;margin:6px 0;font-weight:600}
23    .small{font-size:32px;line-height:1;margin:6px 0;font-weight:500}
24    @media (max-width:600px){.large{font-size:34px}.medium{font-size:24px}.small{font-size:20px}}
25  </style>
26 </head>
27 <body>
28   <div class="wrap">
29     <div class="large">rp. 122-22-6</div>
30     <div class="medium">Некрасов Володимир Олександрович</div>
31     <div class="small">АПЗ лаб4</div>
32   </div>
33 </body>
34 </html>
```

2. Повернемося в AWS S3 та відкremo створений бакет, після цього перейдемо у вкладку Objects → Upload та завантажимо створений файл index.html.

Files and folders (1 total, 232.0 B)

All files and folders in this table will be uploaded.

Find by name

< 1 >

Name	Folder	Type	Size
index.html.txt	-	text/plain	232.0 B

Remove

Add files

Add folder

3. Змінюємо налаштунки доступу.

Edit Block public access (bucket settings) [info](#)

Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets 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.

[Cancel](#)

[Save changes](#)

Edit Block public access (bucket settings) ✕

⚠ Updating the Block Public Access settings for this bucket will affect this bucket and all objects within. This may result in some objects becoming public.

To confirm the settings, enter *confirm* in the field.

[Cancel](#) [Confirm](#)

Крок 4

1. Повертаємось в AWS S3 та відкриваємо створений бакет, далі потрібно обрати Properties та прокрутити до Static website hosting. Далі натискаємо Edit і вмикаємо "Enable".

Static website hosting

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

[Edit](#)

📘 We recommend using AWS Amplify Hosting for static website hosting

Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. Learn more about [Amplify Hosting](#) or [View your existing Amplify apps](#)

[Create Amplify app](#)

S3 static website hosting

Disabled

2. У полі Index document вказуємо index.html і натискаємо Save changes.

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.

index.html

3. Тепер у вкладці Properties, знаходимо Static website hosting, там отримаємо наш URL:

<http://nekrasov-bucket-apz.s3-website.eu-north-1.amazonaws.com>

Static website hosting

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

[Edit](#)

We recommend using AWS Amplify Hosting for static website hosting
Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. [Learn more about Amplify Hosting](#) or [View your existing Amplify apps](#)

[Create Amplify app](#)

S3 static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)
<http://zanastasiia-bucket-apz.s3-website.eu-north-1.amazonaws.com>

4. Отримуємо результат.

