

**Міністерство освіти і науки України**  
**Національний технічний університет «Дніпровська політехніка»**



**Практична робота №4**

з дисципліни:  
**«Аналіз програмного забезпечення»**

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**м. Дніпро**  
**2025**

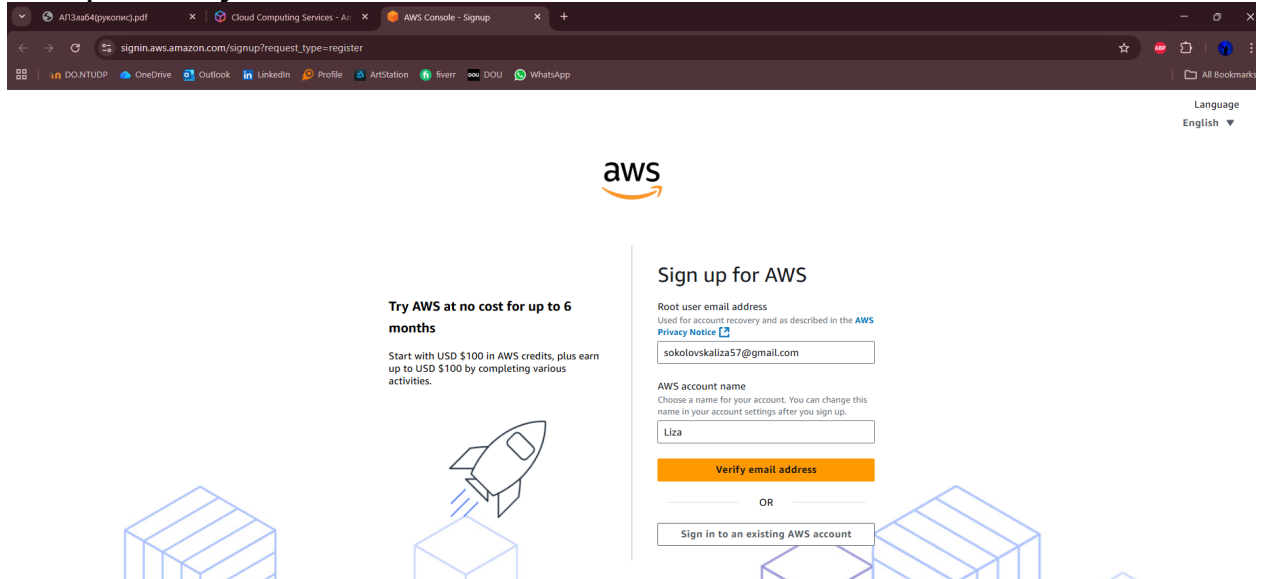
**Тема:** AWS S3.

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

## Хід роботи

### Крок 1. Реєстрація в AWS

Створюю акаунт в aws:

A screenshot of a web browser showing the AWS sign-up page. The browser's address bar shows 'signin.aws.amazon.com/signup?request\_type=register'. The page features the AWS logo at the top center. On the left, there is a promotional banner titled 'Try AWS at no cost for up to 6 months' with a rocket icon. The main sign-up form on the right is titled 'Sign up for AWS' and includes fields for 'Root user email address' (filled with 'sokolovskaliza57@gmail.com') and 'AWS account name' (filled with 'Liza'). Below these fields are buttons for 'Verify email address' and 'Sign in to an existing AWS account'.

aws

**Try AWS at no cost for up to 6 months**

Start with USD \$100 in AWS credits, plus earn up to USD \$100 by completing various activities.

**Sign up for AWS**

Root user email address  
Used for account recovery and as described in the [AWS Privacy Notice](#)

sokolovskaliza57@gmail.com

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

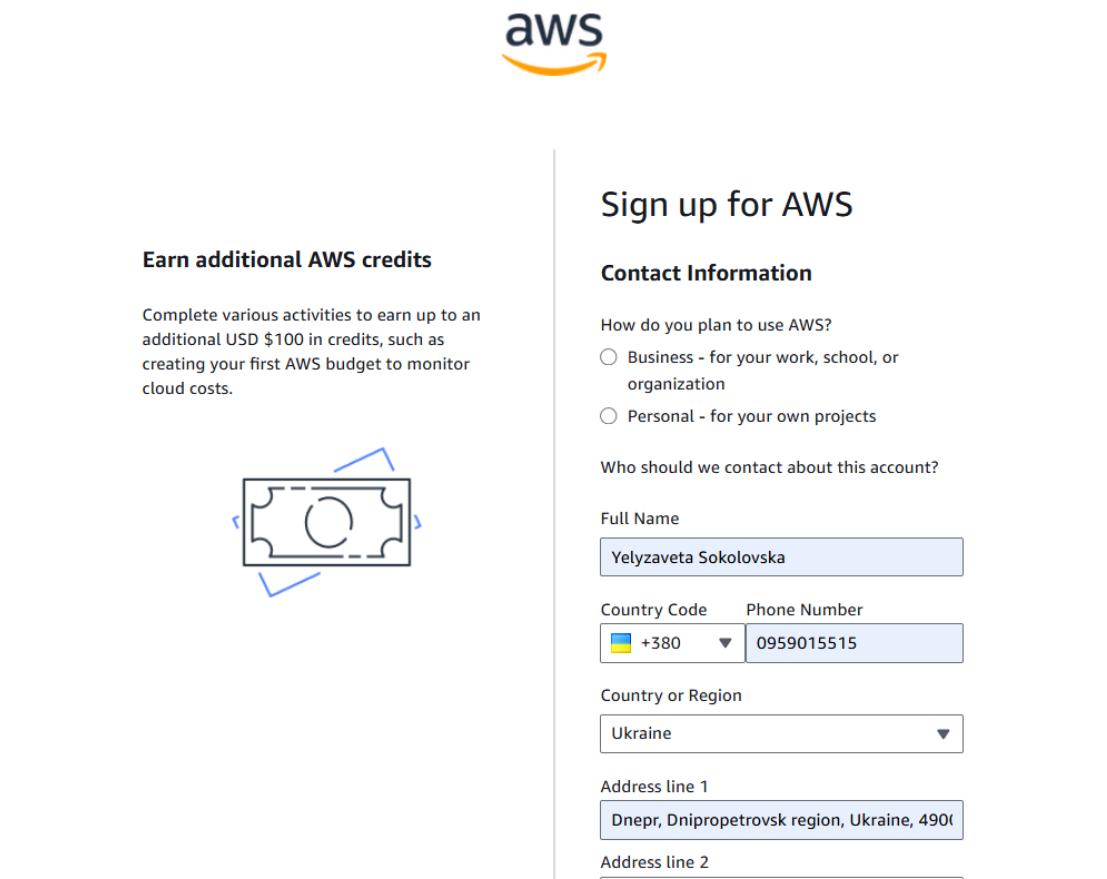
Liza

Verify email address

OR

Sign in to an existing AWS account

Реєструюсь:

A screenshot of the 'Contact Information' section of the AWS sign-up process. It features the AWS logo at the top. On the left, a section titled 'Earn additional AWS credits' explains how to earn up to \$100 in credits by completing activities, accompanied by an icon of a dollar bill. The main form on the right is titled 'Contact Information' and asks 'How do you plan to use AWS?' with radio button options for 'Business' and 'Personal'. It then asks 'Who should we contact about this account?' and provides fields for 'Full Name' (filled with 'Yelyzaveta Sokolovska'), 'Country Code' (filled with '+380'), 'Phone Number' (filled with '0959015515'), 'Country or Region' (a dropdown menu showing 'Ukraine'), 'Address line 1' (filled with 'Dnopr, Dnipropetrovsk region, Ukraine, 4901'), and 'Address line 2' (empty).

aws

**Earn additional AWS credits**

Complete various activities to earn up to an additional USD \$100 in credits, such as creating your first AWS budget to monitor cloud costs.

**Contact Information**

How do you plan to use AWS?

☐ Business - for your work, school, or organization

☐ Personal - for your own projects

Who should we contact about this account?

Full Name

Yelyzaveta Sokolovska

Country Code Phone Number

+380 0959015515

Country or Region

Ukraine

Address line 1

Dnopr, Dnipropetrovsk region, Ukraine, 4901

Address line 2

## Акаунт створено:

The screenshot shows the AWS Account page. The left sidebar contains navigation links for Billing and Cost Management, Home, Getting Started, Dashboards, Billing and Payments, Cost and Usage Analysis, and Cost Organization. The main content area is titled 'Account' and includes sections for Account details (Name: Liza, ID: 211203495628, Service provider: Amazon Web Services EMEA SARL), Account display settings (Unset), Contact information (Full name: Yelyzaveta Sokolovska, Company name: None, Address: Dnipro, Dnipropetrovsk region, Ukraine, 49000), and Alternate contacts. A 'Close account' button is visible in the top right corner.

## Крок 2. Створення S3 бакету. Заходжу у консоль aws:

The screenshot shows the AWS Console Home page. The left sidebar contains navigation links for Recently visited, Applications, Welcome to AWS, AWS Health, and Cost and usage. The main content area is titled 'Console Home' and includes sections for Recently visited (No recently visited services), Applications (0), Welcome to AWS (Getting started with AWS), AWS Health (Open issues: 0), and Cost and usage (Current month: Unable to load, Cost breakdown: Unable to load). A 'Reset to default layout' button and an 'Add widgets' button are visible in the top right corner.

## Створюю бакет:

The screenshot shows the AWS Create bucket page. The left sidebar contains navigation links for Amazon S3, Buckets, and Create bucket. The main content area is titled 'Create bucket' and includes sections for General configuration (AWS Region: US East (N. Virginia) us-east-1, Bucket type: General purpose, Bucket name: ysokolovskao-bucket-apz) and Object Ownership (Object Ownership: ACLs disabled (recommended)). A 'Choose bucket' button is visible in the top right corner.

Треба змінити налаштування доступу до сторінки  
Знімаю галочку :

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.

Бакет створено:

General purpose buckets

All AWS Regions

Directory buckets

General purpose buckets (1) Info

↺

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

🔍 Find buckets by name

< 1 > ⚙

Name	AWS Region	Creation date
<div><input type="radio"/></div> <a href="#">ysokolovska-bucket-apz</a>	US East (N. Virginia) us-east-1	November 1, 2025, 12:44:45 (UTC+02:00)

Крок 3. Завантаження HTML-файлу

Створюю html файл:

index.html

Файл Редагувати Переглянути

```
<!DOCTYPE html>
<html lang="uk">
<head>
  <meta charset="UTF-8">
  <title>Моя сторінка</title>
</head>
<body>
  <h1>Соколовська Єлизавета</h1><br />
  <p>122-22-6</p>
</body>
</html>
```

## Крок 4: налаштування хостингу та отримання адреси сторінки

### 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

### 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

##### 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](#)

Також для відкритого доступу треба було налаштувати Bucket Policy

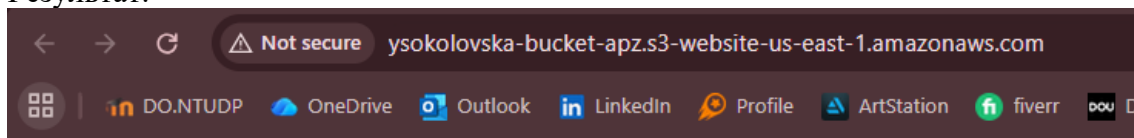
### Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "PublicReadGetObject",
      "Effect": "Allow",
      "Principal": "*",
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::ysokolovska-bucket-apz/*"
    }
  ]
}
```

Налаштування зроблено, адресу отримано: <http://ysokolovska-bucket-apz.s3-website-us-east-1.amazonaws.com>

Результат:



Tab groups

# Соколовська Єлизавета

122-22-6