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«Дніпровська політехніка»**



**ЗВІТ  
з виконання практичної роботи  
з дисципліни  
«Аналіз програмного забезпечення»**

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**Дніпро  
2025**

# Практична робота №4

**Тема роботи:** AWS S3.

**Мета роботи:** набування навичок у створенні і розміщенні статичної веб-сторінки на AWS S3.

1. Зареєструватись в системі AWS. Після реєстрації перейти до наступних дій.
2. Створення S3 bucket.

The screenshot shows the 'Create bucket' wizard on the AWS S3 console. The first step, 'General configuration', is displayed. It includes fields for 'Bucket name' (set to 'kateryna-horb-bucket-apz'), 'AWS Region' (set to 'Europe (Stockholm) eu-north-1'), and 'Bucket type' (with 'General purpose' selected). Other options like 'Directory' are also shown. Below these are sections for 'Copy settings from existing bucket - optional' and 'Object Ownership'. The 'Object Ownership' section shows 'ACLs disabled (recommended)' selected. At the bottom, there's a note about 'Block Public Access settings for this bucket' and a note about public access being granted through ACLs, bucket policies, and access point policies.

Create S3 bucket | S3 | eu-north-1

eu-north-1.console.aws.amazon.com/s3/bucket/create?region=eu-north-1

aws Search [Alt+S] Account ID: 0550-8191-6062 Europe (Stockholm) Katerina

Amazon S3 > Buckets > Create bucket

### 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.

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Create S3 bucket | S3 | eu-north-1

eu-north-1.console.aws.amazon.com/s3/bucket/create?region=eu-north-1

aws Search [Alt+S] Account ID: 0550-8191-6062 Europe (Stockholm) Katerina

Amazon S3 > Buckets > Create bucket

### Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

Bucket Versioning  
 Disable  
 Enable

### Tags - optional (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

[Add new tag](#)  
You can add up to 50 tags.

### Default encryption Info

Server-side encryption is automatically applied to new objects stored in this bucket.

Create S3 bucket | S3 | eu-north-1

eu-north-1.console.aws.amazon.com/s3/bucket/create?region=eu-north-1

aws Search [Alt+S] Account ID: 0550-8191-6062 ▾ Europe (Stockholm) ▾ Katerina

Amazon S3 > Buckets > Create bucket

**Default encryption** [Info](#)  
Server-side encryption is automatically applied to new objects stored in this bucket.

**Encryption type** [Info](#)  
Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#).  
 Server-side encryption with Amazon S3 managed keys (SSE-S3)  
 Server-side encryption with AWS Key Management Service keys (SSE-KMS)  
 Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

**Bucket Key**  
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)  
 Disable  
 Enable

► Advanced settings

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

S3 buckets | S3 | eu-north-1

eu-north-1.console.aws.amazon.com/s3/buckets?region=eu-north-1

aws Search [Alt+S] Account ID: 0550-8191-6062 ▾ Europe (Stockholm) ▾ Katerina

Amazon S3 > Buckets

**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.

Name	AWS Region	Creation date
katerina-horb-bucket-apz	Europe (Stockholm) eu-north-1	November 9, 2025, 19:59:54 (UTC+02:00)

**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.

### 3. Завантаження HTML-файлу у bucket.

The screenshot shows the AWS S3 console interface. At the top, a green success message box displays: "Upload succeeded. For more information, see the Files and folders table." Below this, the "Summary" section shows the destination "s3://kateryna-horb-bucket-apz" and two status boxes: "Succeeded" (1 file, 225.0 B (100.00%)) and "Failed" (0 files, 0 B (0%)). The "Files and folders" tab is selected, showing a table with one item: "index.html" (text/html, 225.0 B, Status: Succeeded).  
  
At the bottom, the navigation bar includes links for CloudShell, Feedback, and various AWS services like Google, LinkedIn, and GitHub. The footer contains copyright information and links for Privacy, Terms, and Cookie preferences.

The screenshot shows the AWS S3 console interface, specifically the "Objects" tab for the "kateryna-horb-bucket-apz" bucket. The table lists the single object "index.html" with details: Name (index.html), Type (html), Last modified (November 9, 2025, 20:07:51 (UTC+02:00)), Size (225.0 B), and Storage class (Standard). Action buttons for Copy S3 URI, Copy URL, Download, Open, Delete, Actions, Create folder, and Upload are available above the table.  
  
The navigation bar at the top includes CloudShell, Feedback, and various AWS services. The footer contains copyright information and links for Privacy, Terms, and Cookie preferences.

The screenshot shows the AWS S3 console interface. At the top, the URL is `eu-north-1.console.aws.amazon.com/s3/object/kateryna-horb-bucket-apz?region=eu-north-1&prefix=index.html`. The page title is "index.html - Object in S3 bucket". The top navigation bar includes links for "Amazon S3", "Buckets", "kateryna-horb-bucket-apz", and "index.html". On the right, there are account details ("Account ID: 0550-8191-6062", "Europe (Stockholm)", "Katerina") and various navigation icons.

**Properties** tab is selected. The "Object overview" section contains the following details:

- Owner:** e5997fd725985d02fa0deac5e8ee844bc4954a07fe2efbd74fa35aea3647cdd0
- AWS Region:** Europe (Stockholm) eu-north-1
- Last modified:** November 9, 2025, 20:07:51 (UTC+02:00)
- Size:** 225.0 B
- Type:** html
- Key:** index.html

On the right side, there are links for "S3 URI" (`s3://kateryna-horb-bucket-apz/index.html`), "Amazon Resource Name (ARN)" (`arn:aws:s3:::kateryna-horb-bucket-apz/index.html`), "Entity tag (Etag)" (`72ced119ae50d0590e315c5f29a10213`), and "Object URL" (`https://kateryna-horb-bucket-apz.s3.eu-north-1.amazonaws.com/index.html`).

At the bottom, there are buttons for "Copy S3 URI", "Download", "Open", and "Object actions". The footer includes links for "CloudShell", "Feedback", and copyright information: "© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".

#### 4. Налаштування хостингу та отримання адреси сторінки.

The screenshot shows the "Edit Object Ownership" configuration page. The URL is `eu-north-1.console.aws.amazon.com/s3/bucket/kateryna-horb-bucket-apz/property/oo/edit?region=eu-north-1`. The top navigation bar includes links for "Amazon S3", "Buckets", "kateryna-horb-bucket-apz", and "Edit Object Ownership".

**Object Ownership** section:

**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.

**Warning:** 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.

**Information:** 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** section (Bucket owner preferred):

**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**

At the bottom, there are buttons for "CloudShell", "Feedback", and copyright information: "© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences".

index.html - Object in S3 bucket

eu-north-1.console.aws.amazon.com/s3/object/kateryna-horb-bucket-apz?region=eu-north-1&prefix=index.html&tab=permissions

Account ID: 0550-8191-6062 ▾ Katerina

Amazon S3 > Buckets > kateryna-horb-bucket-apz > index.html

index.html Info

Properties Permissions Versions

Access control list (ACL)

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

Grantee	Object	Object ACL
Object owner (your AWS account) Canonical ID: <a href="#">e5997fd725985d02fa0deac5e8ee844bc4954a07fe2efbd74fa35aea3647cdd0</a>	Read	Read, Write
Everyone (public access) Group: <a href="#">http://acs.amazonaws.com/groups/global/AllUsers</a>	-	-
Authenticated users group (anyone with an AWS account) Group: <a href="#">http://acs.amazonaws.com/groups/global/AuthenticatedUsers</a>	-	-

Edit

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Edit access control list (ACL) - S

eu-north-1.console.aws.amazon.com/s3/buckets/kateryna-horb-bucket-apz/object/edit\_acl?region=eu-north-1&prefix=index.h...

Account ID: 0550-8191-6062 ▾ Katerina

Amazon S3 > Buckets > kateryna-horb-bucket-apz > index.html > Edit access control list

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: <a href="#">e5997fd725985d02fa0deac5e8ee844bc4954a07fe2efbd74fa35aea3647cdd0</a>	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: <a href="#">http://acs.amazonaws.com/groups/global/AllUsers</a>	<input checked="" type="checkbox"/> <span style="color: red;">⚠️</span> Read	<input checked="" type="checkbox"/> <span style="color: red;">⚠️</span> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account) Group: <a href="#">http://acs.amazonaws.com/groups/global/AuthenticatedUsers</a>	<input checked="" type="checkbox"/> <span style="color: red;">⚠️</span> Read	<input checked="" type="checkbox"/> <span style="color: red;">⚠️</span> 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.

Access for other AWS accounts  
No other AWS accounts associated with the resource.

Add grantee

Specified objects

Name	Type	Last modified	Size
<a href="#">index.html</a>	html	November 9, 2025, 20:07:51 (UTC+02:00)	225.0 B

Cancel Save changes

CloudShell Feedback

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## 5. Створена веб-сторінка.



124-22-2

### *Результат виконання роботи*

<https://kateryna-horb-bucket-apz.s3.eu-north-1.amazonaws.com/index.html>