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**Факультет інформаційних технологій
Кафедра системного аналізу та управління**

ЗВІТ

про виконання практичної роботи №5

**з дисципліни
«Аналіз програмного забезпечення»**

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Дніпро

2025

Практична робота №5

It seems like you may be new to launching instances in EC2. Take a walkthrough to learn about EC2, how to launch instances and about best practices.

[Take a walkthrough](#) [Do not show me this message again.](#)

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name
batechko [Add additional tags](#)

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

Recent [Quick Start](#)

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian

[Browse more AMIs](#)
Including AMIs from AWS Marketplace and the Community

Amazon Machine Image (AMI)

Microsoft Windows Server 2025 Base
ami-01e0e40c6557403885 (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs [Free tier eligible](#)

Description
Microsoft Windows 2025 Datacenter edition. [English]

Microsoft Windows Server 2025 Full Locale English AMI provided by Amazon

Architecture	AMI ID	Publish Date	Username
64-bit (x86)	ami-01e0e40c6557403885	2025-11-12	Administrator Verified provider

Instance type [Info](#) | [Get advice](#)

Instance type
t3.micro
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand Ubuntu PaaS base pricing: 0.0143 USD per Hour On-Demand RHEL base pricing: 0.0196 USD per Hour
On-Demand SUSE base pricing: 0.0108 USD per Hour On-Demand Linux base pricing: 0.0108 USD per Hour
On-Demand Windows base pricing: 0.02 USD per Hour

Free tier eligible [All generations](#) [Compare instance types](#)

Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required
batechko [Create new key pair](#)

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

Network settings [Info](#)

Network [Info](#)
vpc-00c82678612b6d21

Subnet [Info](#)
No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)
Enable

Firewall (security groups) [Info](#)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called 'launch-wizard-3' with the following rules:

Allow RDP traffic from
Helps you connect to your instance Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Summary

Number of Instances [Info](#)
1

Software Image (AMI)
Microsoft Windows Server 2025 ...read more
ami-01e0e40c6557403885

Virtual server type (instance type)
t3.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 30 GiB

[Cancel](#) [Launch instance](#) [Preview code](#)

EC2 > Instances > i-0823e0ef52af16ff0 (batechko)

EC2

- Dashboard
- AWS Global View
- Events
- Instances**
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
 - Capacity Manager [New](#)
- Images**
 - AMIs
 - AM Catalog
- Elastic Block Store**
 - Volumes
 - Snapshots
 - Lifecycle Manager
- Network & Security**
 - Security Groups
 - Elastic IPs
 - Placement Groups
 - Key Pairs
 - Network Interfaces
- Load Balancing**
 - Load Balancers
 - Target Groups
 - Trust Stores
- Auto Scaling**
 - Auto Scaling Groups

Instance summary for i-0823e0ef52af16ff0 (batechko) [Info](#)

Updated less than a minute ago

Instance ID i-0823e0ef52af16ff0	Public IPv4 address 16.170.229.182 [open address]	Private IPv4 addresses 172.31.22.91
IPv6 address -	Instance state Running	Public DNS ec2-16-170-229-182.eu-north-1.compute.amazonaws.com [open address]
Hostname type IP name: ip-172-31-22-91.eu-north-1.compute.internal	Private IP name (IPv4 only) ip-172-31-22-91.eu-north-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t3.micro	AWS Compute Optimizer Rating It is taking a bit longer than usual to fetch your data.
Auto-assigned IP address 16.170.229.182 [Public IP]	VPC ID vpc-01e082678612ba6d21	Auto Scaling Group -
IAM Role Submit IAM role	Subnet ID subnet-0eccc378032eadd45e	Managed False
IMDSv2 Required	Instance ARN arn:aws:ec2:eu-north-1:118392112456:instance/i-0823e0ef52af16ff0	
Operator -		

Details Status and alarms Monitoring Security Networking Storage Tags

Instance details [Info](#)

AMI ID ami-010e40a8557403385	Monitoring disabled	Platform details Windows
AMI name Windows_Server-2025-English-Full-Base-2025.11.12	Allowed image -	Termination protection Disabled
Step protection Disabled	Launch time Tue Dec 02 2025 11:26:56 GMT+0200 (Eastern European Standard Time) (less than a minute)	AMI location amazon/Windows_Server-2025-English-Full-Base-2025.11.12
Instance reboot migration Default (On)	Instance auto-recovery Default	Lifecycle normal
Step-terminate behavior Disabled	AMI Launch index 0	Key pair assigned at launch batechko
State transition reason -	Credit specification unlimited	Kernel ID -
State transition message -	Usage generation -	RAM disk ID -

Connect [Info](#)

Connect to an instance using the browser-based client.

Session Manager **RDP client** **EC2 serial console**

Record RDP connection
You can now record RDP connections using AWS Systems Manager Just-in-Time node access. [Learn more](#) [Try for free](#)

Instance ID [i-0823e0ef52af16ff0 \(batechko\)](#)

Connection Type

Connect using RDP client
Download a file to use with your RDP client and retrieve your password.

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[+ Download remote desktop file](#)

When prompted, connect to your instance using the following username and password:

Public DNS [ec2-16-170-229-182.eu-north-1.compute.amazonaws.com](#)

Username [Administrator](#)

Password [Get password](#)

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

[Cancel](#)