

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



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

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Прийняв:
асистент каф. САУ
Шевченко Ю.О.

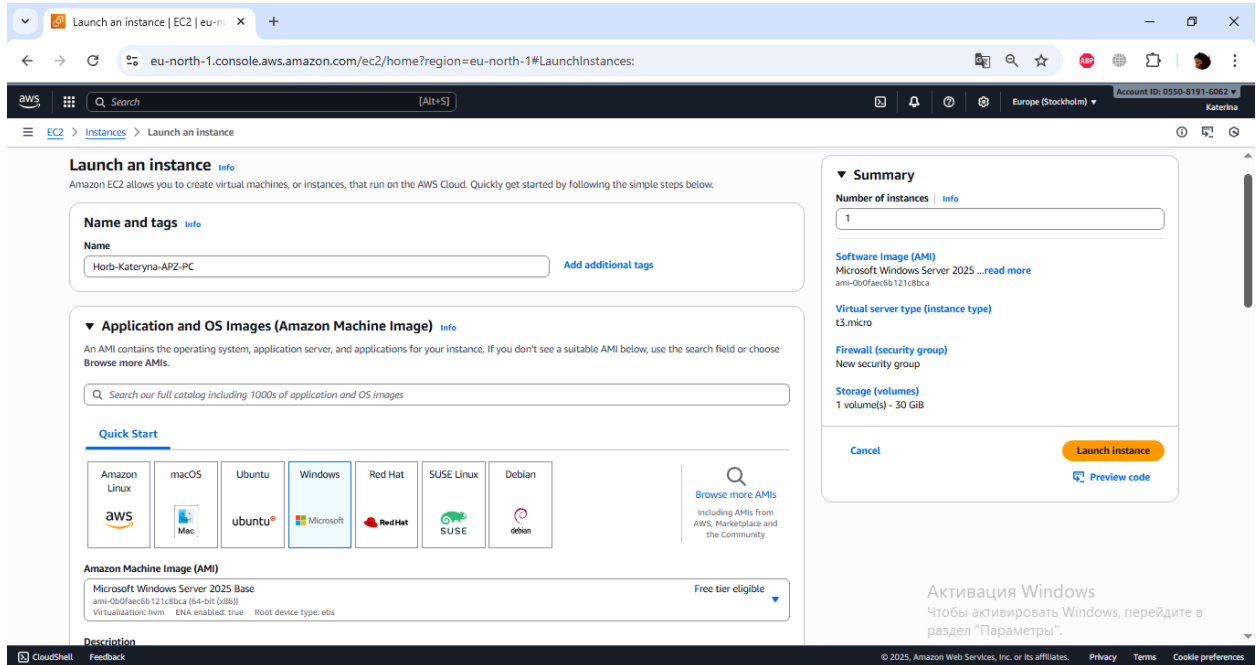
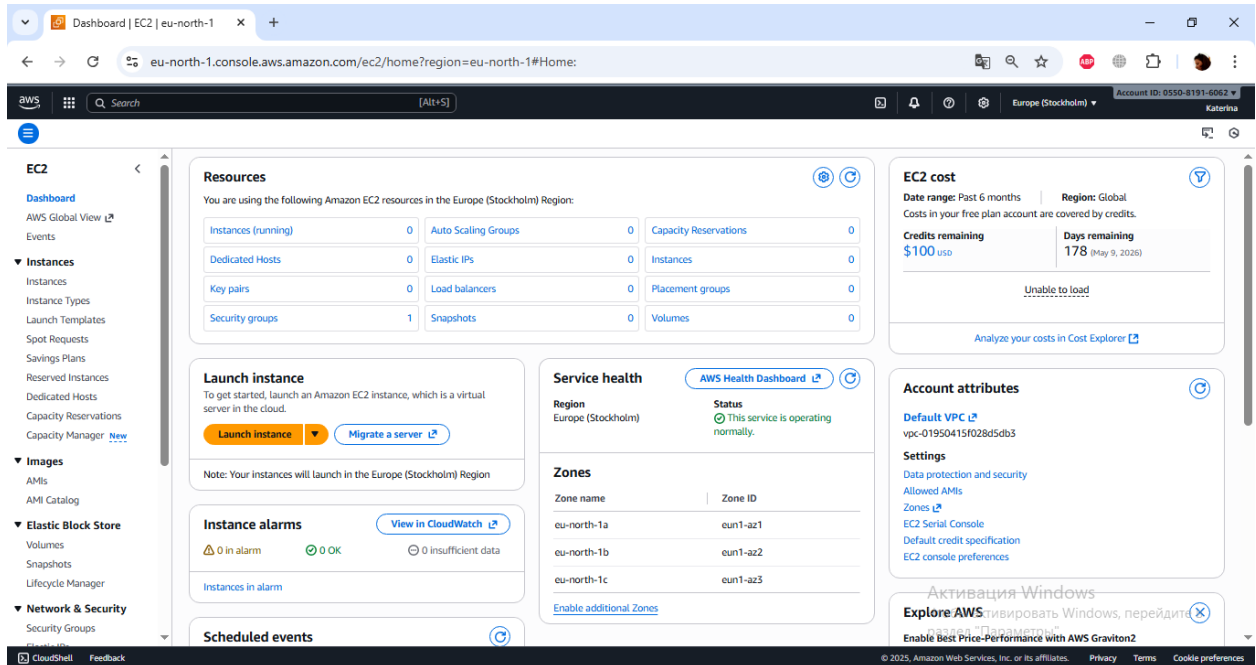
**Дніпро
2025**

Практична робота №5

Тема роботи: AWS EC2.

Мета роботи: набування навичок у створенні і підключенні до віддаленого комп'ютера за допомогою AWS EC2.

1. Налаштувати та створити віддалений комп'ютер.



Launch an instance | EC2 | eu-north-1

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

Search [Alt+S]

Europe (Stockholm)

Account ID: 0550-8191-6062

Katerina

EC2 > Instances > Launch an instance

Description

Microsoft Windows 2025 Datacenter edition, [English]

Microsoft Windows Server 2025 Full Locale English AMI provided by Amazon

Architecture

64-bit (x86)

AMI ID

ami-0b0faec6b121c8bca

Publish Date

2025-10-17

Username

Administrator

Verified provider

▼ Instance type

Info | Get advice

Instance type

m7i-flex.large

Family: m7i-flex 2 vCPU 8 GiB Memory Current generation: true Free tier eligible

On-Demand Linux base pricing: 0.10175 USD per Hour On-Demand Ubuntu Pro base pricing: 0.10525 USD per Hour On-Demand RHEL base pricing: 0.13055 USD per Hour On-Demand SUSE base pricing: 0.15005 USD per Hour On-Demand Windows base pricing: 0.18915 USD per Hour

Additional costs apply for AMIs with pre-installed software

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

Select

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

Edit

▼ Summary

Number of instances | Info

1

Software image (AMI)

Microsoft Windows Server 2025 ...read more

ami-0b0faec6b121c8bca

Virtual server type (instance type)

m7i-flex.large

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

Cancel

Launch instance

Preview code

Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

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Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

keyhorbforapz

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA
RSA encrypted private and public key pair

☐ ED25519
ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

☒ .pem
For use with OpenSSH

☐ .ppk
For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn more](#)

Cancel

Create key pair

Launch an instance | EC2 | eu-north-1

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

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

EC2 > Instances > Launch an instance

▼ 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

keyhorborapaz

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-01950415f028d5db3

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-1' 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-0b0faec6b121c8bca

Virtual server type (instance type)

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Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

Cancel

Launch instance

Preview code

Активация Windows
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Launch an instance | EC2 | eu-north-1

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:

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

EC2 > Instances > Launch an instance

☒ 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

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

▼ Configure storage Info

Advanced

1x 30 GiB gp3 Root volume, 3000 IOPS, Not encrypted

Add new volume

The selected AMI contains instance store volumes, however the instance does not allow any instance store volumes. None of the instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systems

Advanced details Info

▼ Summary

Number of instances Info

1

Software image (AMI)

Microsoft Windows Server 2025 ...read more

ami-0b0faec6b121c8bca

Virtual server type (instance type)

m7i-flex.large

Firewall (security group)

New security group

Storage (volumes)

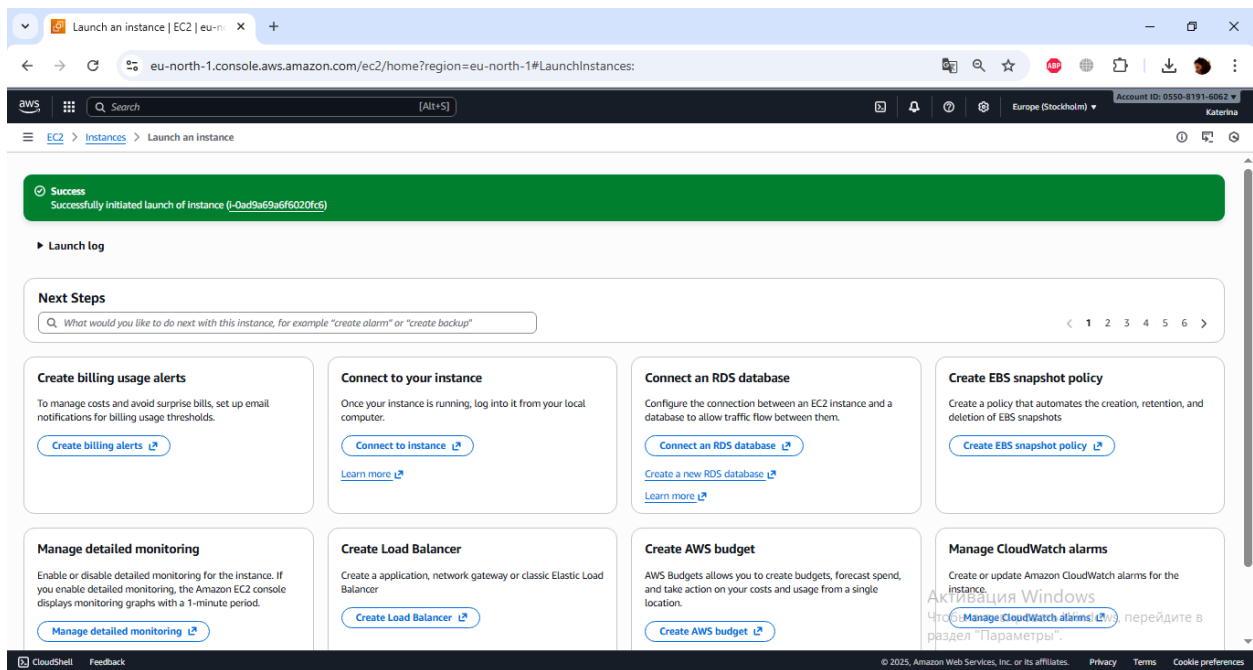
1 volume(s) - 30 GiB

Cancel

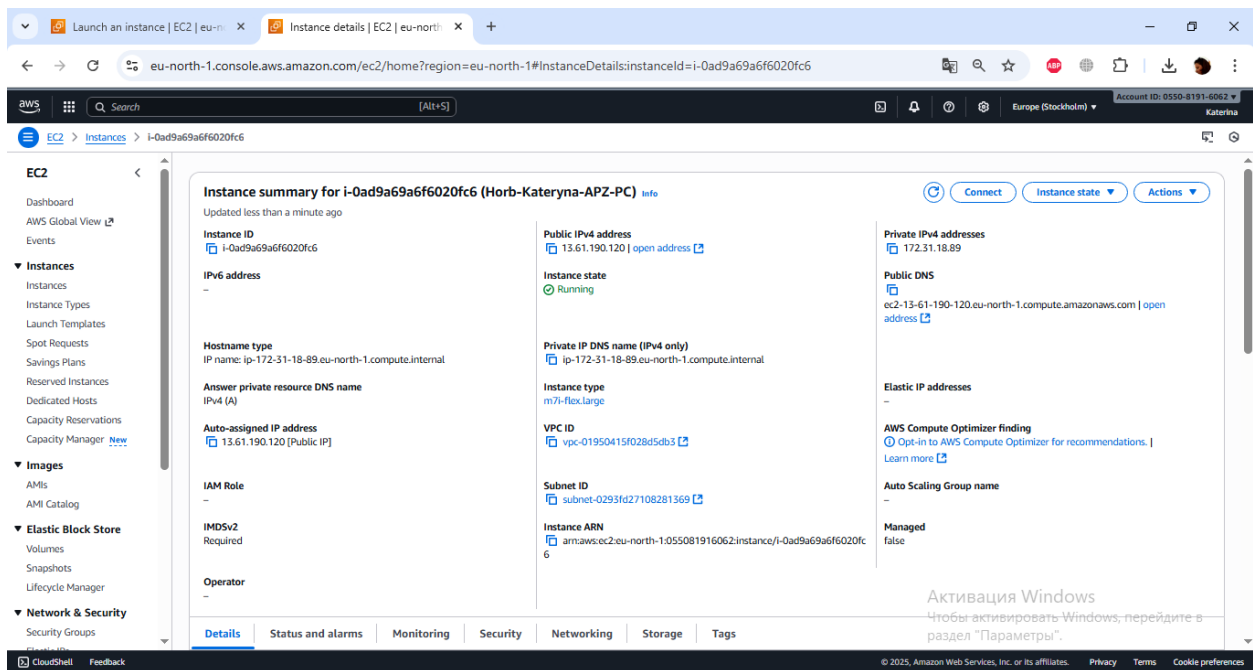
Launch instance

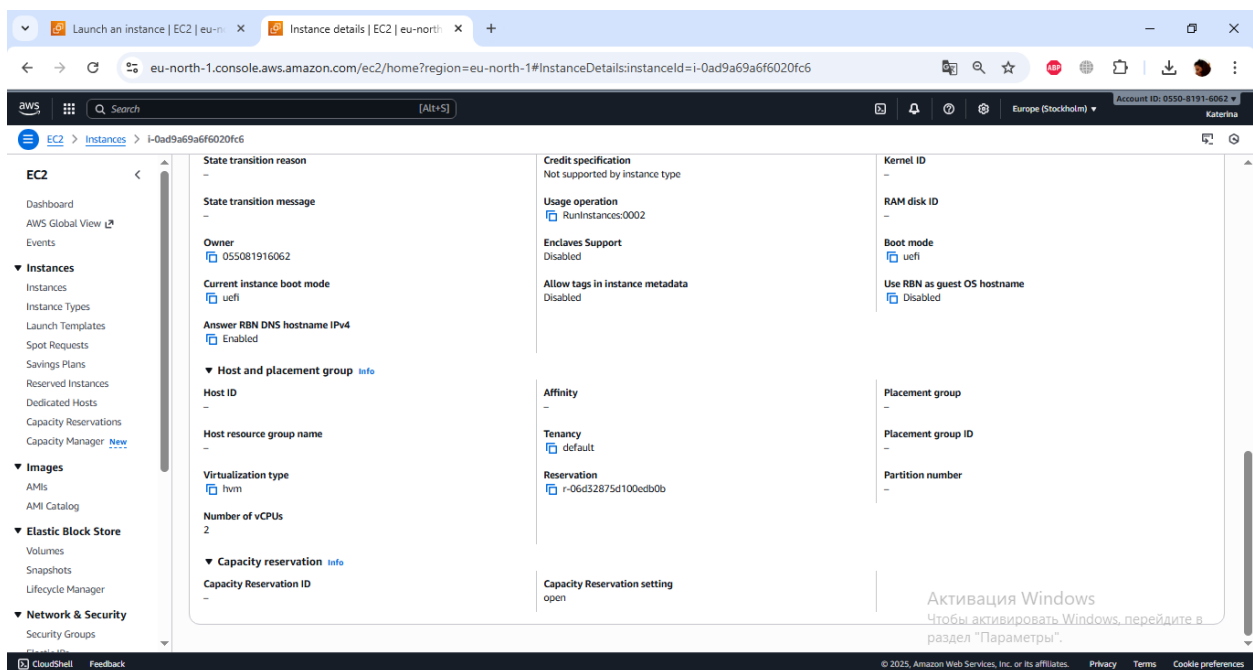
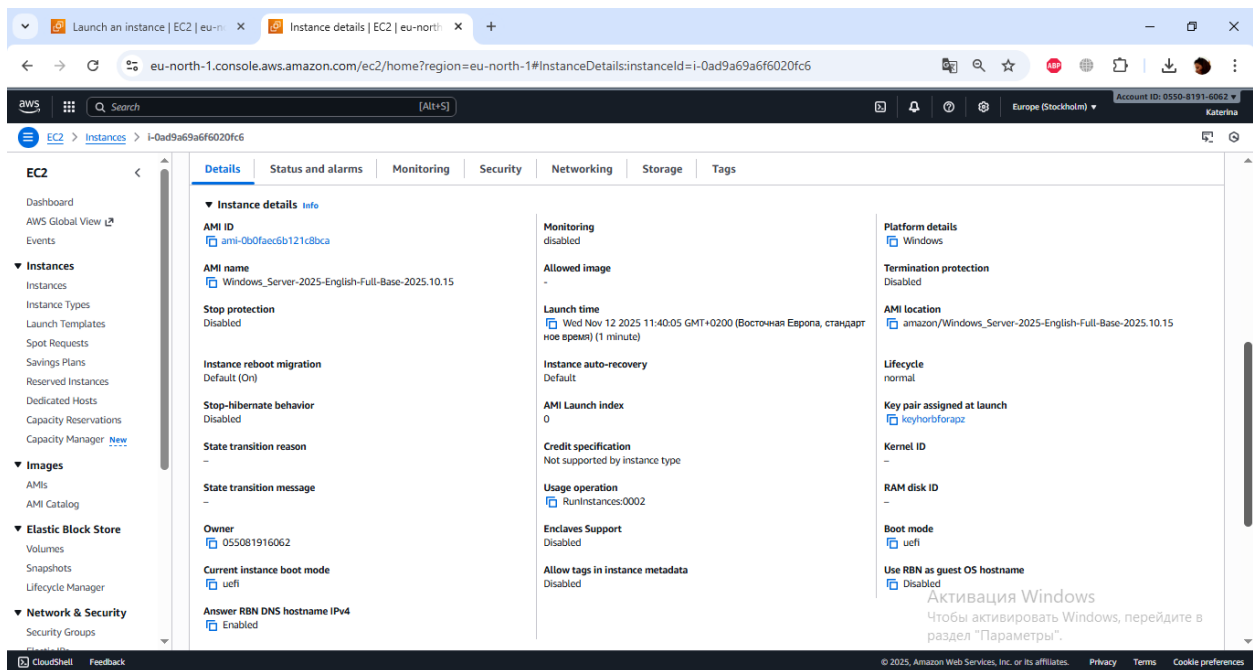
Preview code

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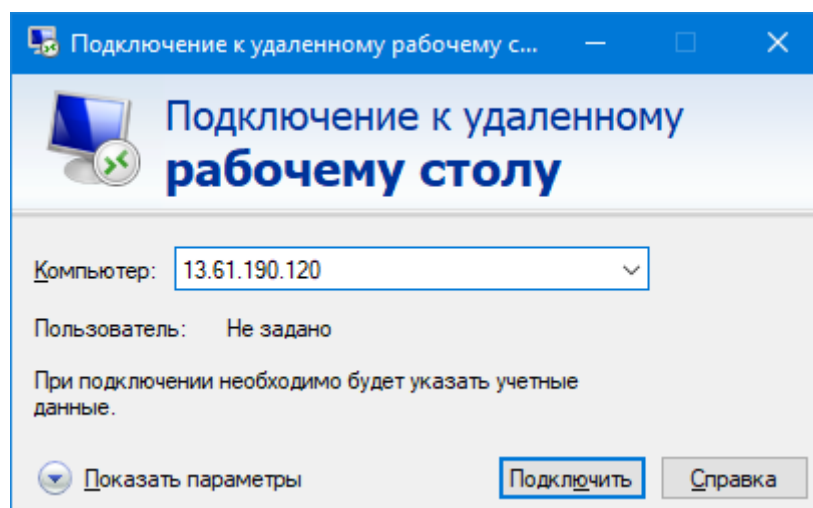


2. Вигляд створеного комп'ютера.





3. Підключення до створеного комп'ютера.



Launch an instance | EC2 | eu-north-1

Get windows password | EC2 | eu-north-1

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#GetWindowsPassword:instanceId=i-0ad9a69a6f6020fc6

Search[Alt+S]

Europe (Stockholm)

Account ID: 0550-8191-6062

Katerina

EC2 > Instances > i-0ad9a69a6f6020fc6 > Get Windows password

Get Windows password info

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID
i-0ad9a69a6f6020fc6 (Horb-Kateryna-APZ-PC)

Key pair associated with this instance
keyhorborapz

Private key
Either upload your private key file or copy and paste its contents into the field below.

[Upload private key file](#)

keyhorborapz.pem
1.674KB

Private key contents - optional

```
-----BEGIN RSA PRIVATE KEY-----
MIIEowIBAAKCAQEAy7owdy/X8DOLYtLj+VHRA1WcpnaaSaccn3VtjufmOr5Wp03
9kqos3UlnnyVn5p3whUOXjC5n25+LjufM1505y9Ej0L0LcLwXAc8JBqW9xGy0c
ia7ghV6T5B4Ljns24snyd/8T0dNfngHQ8qZ4zb3N80512kL95pUNGj33Y/
9fNT4yQrHmhaKJOLuBuK6pCf8u0Dsu7B2vKcQXn2KCLp+OCBA1IAf/s
8MoTaVsaMwXdb5drQOIMR94EEDVymBz2L86PEYlGq6D85Jf3ooXv5pMw7Yp
LF3h8vB0sg06Hjd9/SEK/B+9yv5gJ9YkGWYDwIDAQABAoIBAQCwOpBAGZfOwza7
tPM15Wt/WehXXKNOEQxBKMaT1TqX6pxE9P57BqhGh3/IDZGA3GSrdHu8DF58
-----
```

[Cancel](#) [Decrypt password](#)

Активация Windows
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CloudShell Feedback

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Launch an instance | EC2 | eu-north-1

Get windows password | EC2 | eu-north-1

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#GetWindowsPassword:instanceId=i-0ad9a69a6f6020fc6

Search[Alt+S]

Europe (Stockholm)

Account ID: 0550-8191-6062

Katerina

EC2 > Instances > i-0ad9a69a6f6020fc6 > Get Windows password

Get Windows password info

Use your private key to retrieve and decrypt the initial Windows administrator password for this instance.

Instance ID
i-0ad9a69a6f6020fc6 (Horb-Kateryna-APZ-PC)

Key pair associated with this instance
keyhorborapz

Private key
Either upload your private key file or copy and paste its contents into the field below.

[Upload private key file](#)

Private key contents - optional

Private key contents

[Cancel](#) [Decrypt password](#)

Активация Windows
Чтобы активировать Windows, перейдите в раздел "Параметры".

Get Windows password

Connect to your Windows instance using Remote Desktop with this information.

Instance ID
i-0ad9a69a6f6020fc6 (Horb-Kateryna-APZ-PC)

Private IP address
172.31.18.89

Username
Administrator

Password
u%AwblZdvdljY29Wbljh8xPtlOfduuF

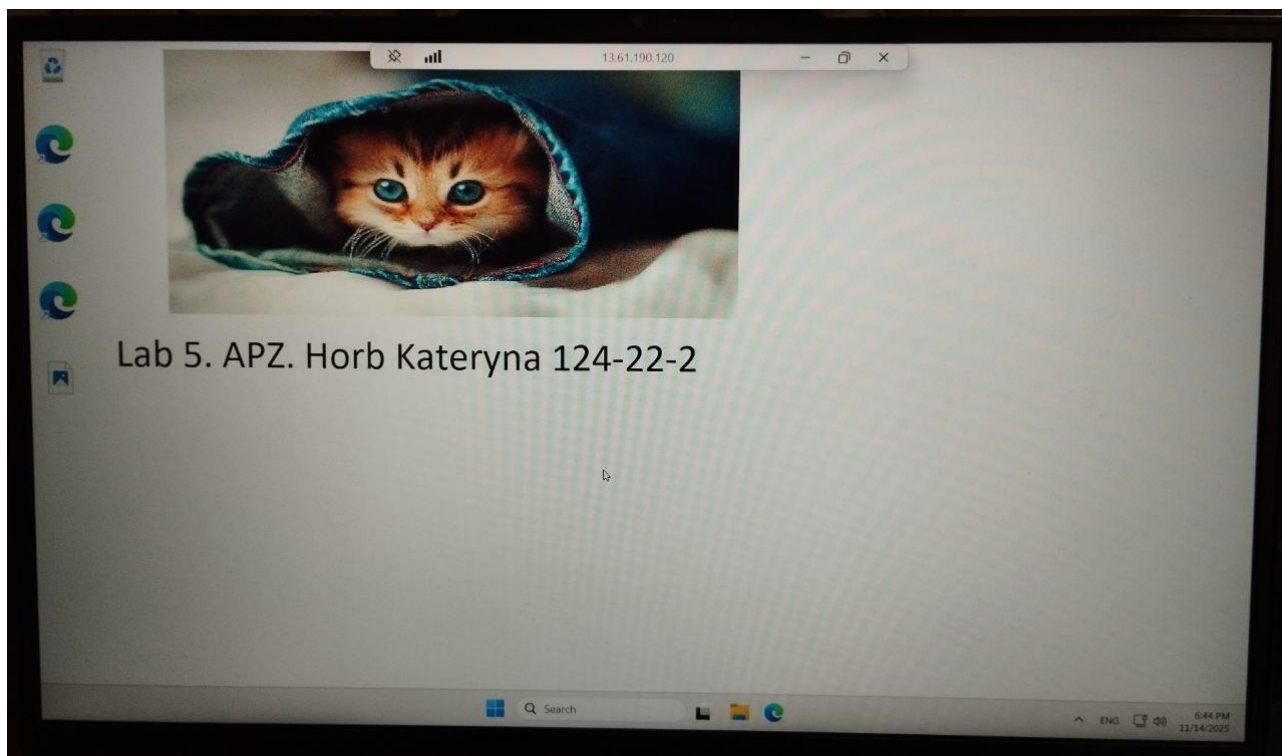
Password change recommended
We recommend that you change your default password. Note: If a default password is changed, it cannot be retrieved using this tool. It is important that you change your password to one that you will remember.

[Cancel](#) [OK](#)

CloudShell Feedback

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4. Фото рабочего стола створеного комп'ютера



Результат роботи

IP

13.61.190.120

Username

Administrator

Password

u%Awb!Zdvd)YZ9Wbi)h8xFPI!OnfduuF