

Практична робота №5

AWS EC2

Мета роботи: набування навичок створення та розміщення віртуального сервера за допомогою AWS EC2.

Хід роботи:

Крок 1. Створюємо та запускаємо Instance (рис. 1.1 – 1.4):

The screenshot displays the AWS Management Console interface for launching an EC2 instance. The breadcrumb navigation at the top indicates the path: EC2 > Instances > Launch an instance. The main heading is 'Launch an instance' with an 'Info' link. Below this, a descriptive sentence states: '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.'

The first section is 'Name and tags' with an 'Info' link. It contains a 'Name' label and a text input field with the value 'Senchuk122-22-2'. To the right of the input field is a link 'Add additional tags'.

The second section is 'Application and OS Images (Amazon Machine Image)' with an 'Info' link. It includes a descriptive sentence: '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.' Below this is a search bar with the placeholder text 'Search our full catalog including 1000s of application and OS images'.

Under the search bar is a 'Quick Start' section. It features a grid of seven operating system tiles: Amazon Linux, macOS, Ubuntu, Windows, Red Hat, SUSE Linux, and Debian. The 'Windows' tile is highlighted with a blue border. To the right of the grid is a search icon and a link 'Browse more AMIs' with the subtext 'Including AMIs from AWS, Marketplace and the Community'.

Below the 'Quick Start' section is the 'Amazon Machine Image (AMI)' section. It displays the selected AMI: 'Microsoft Windows Server 2025 Base' with the ID 'ami-0b4bc1e90f30ca1ec (64-bit (x86))'. Below the ID, it shows 'Virtualization: hvm', 'ENA enabled: true', and 'Root device type: ebs'. On the right side of this section is a 'Free tier eligible' label with a downward arrow.

Рисунок 1.1. Name and tags. Amazon machine Image

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

Senchuk122-22-2

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](#)

Рисунок 1.2. Створення key pair

▼ Configure storage Info Advanced

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

Add new volume

⌚ 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 Edit

Рисунок 1.3. Налаштування Configure Storage

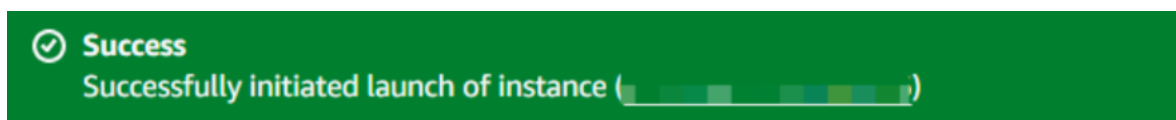




Рисунок 1.4. Успішне створення Instance


Крок 2. Отримання зашифрованого паролю (рис. 2):

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

Instance ID
 (Senchuk122-22-2)

Key pair associated with this instance
 Senchuk122-22-2

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

 Upload private key file



apz-my-key.pem 
1.67 KB

Рисунок 2. Windows password

Крок 3. Підключаємося до створеного ПК (рис. 3.1 – 3.3):

Remote Desktop Connection

 **Remote Desktop Connection**

Computer:

User name: None specified

The computer name field is blank. Enter a full remote computer name.


 Show Options

Рисунок 3.1. Введення IP комп'ютера

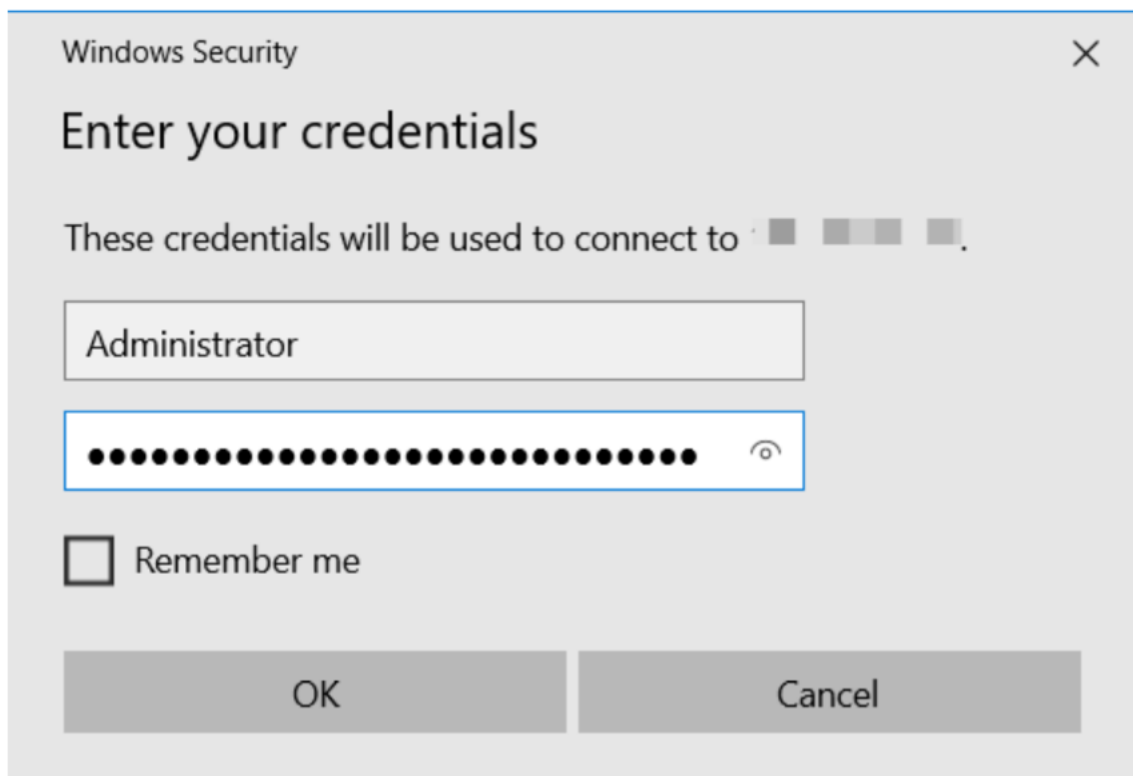
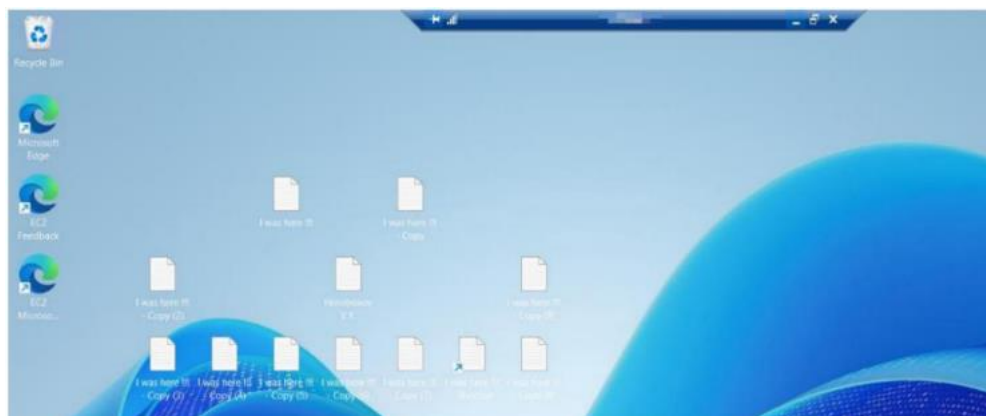


Рисунок 3.2. Введення username/password

Рисунок 3.3 Відображення відображення робочого столу



IP - 18.203.155.18

Username – Senchuk122-22-2

Password - Qweasdzxc