CREATING A WINDOWS EC2 INSTANCE AND CONNECT IT FROM A WINDOWS OPERATING SYSTEM



-Sooriya

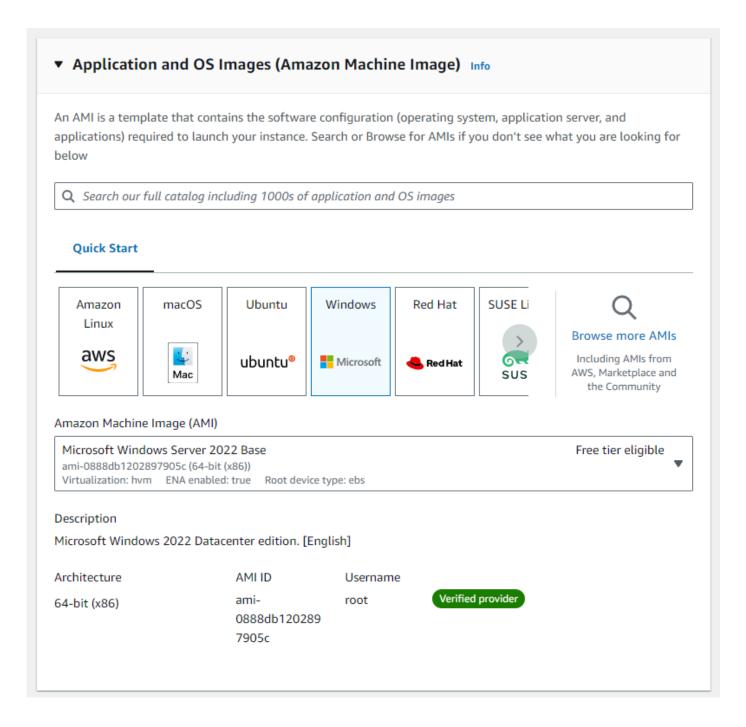
Step 1: Create a Name for Your Instance

Naming your instance helps you easily identify and manage multiple instances within your AWS environment.

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	Add additional tags
windows	Add additional tags

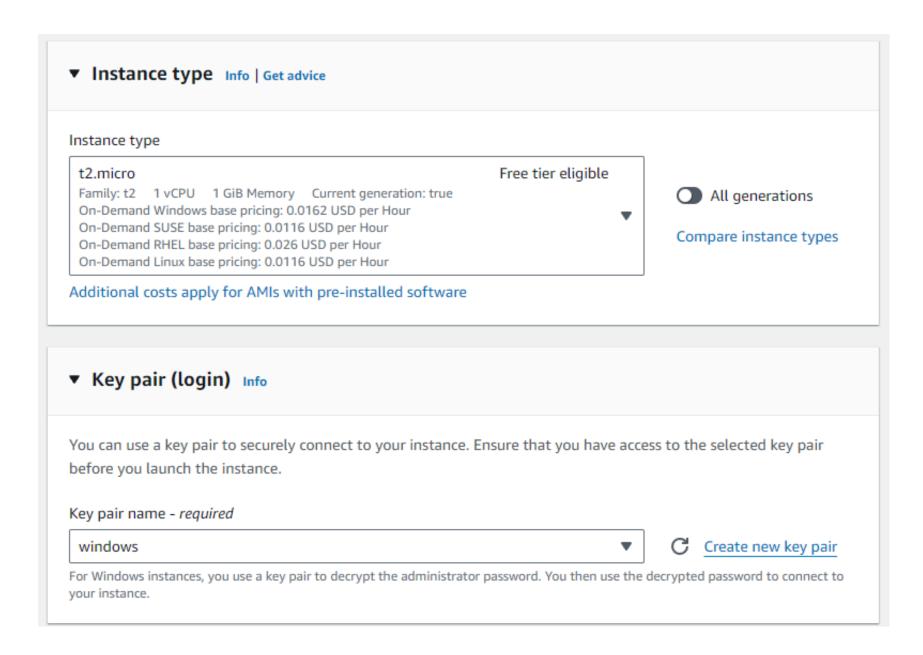
Step 2: Choose an AMI (Windows, Free Tier eligible)

An AMI (Amazon Machine Image) provides a pre-configured operating system and application software, simplifying deployment. I selected a Windows AMI that is eligible under the Free Tier.



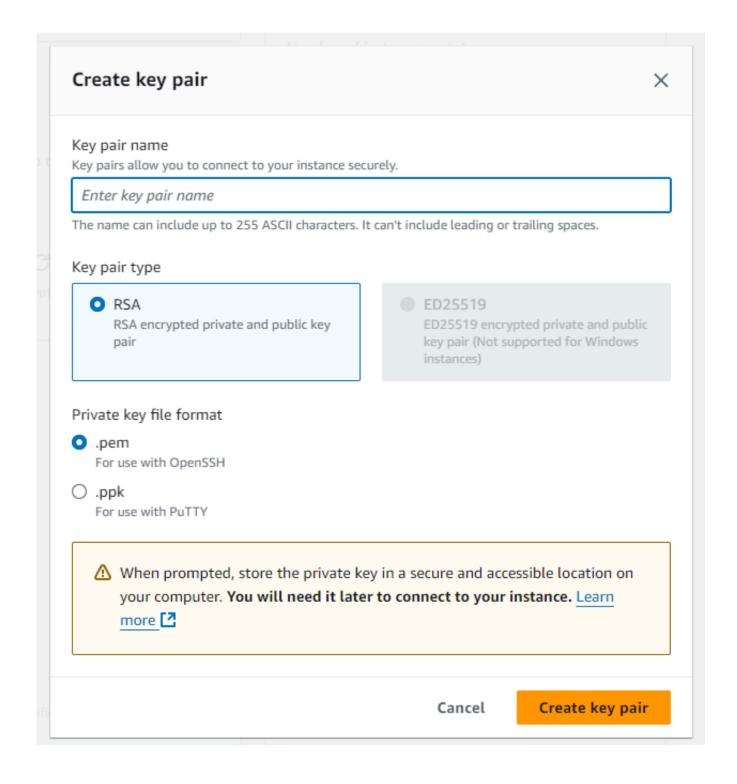
Step 3: Choose an Instance Type (Free Tier eligible)

The instance type determines the resources (CPU, memory) allocated to your instance. I chose t2.micro, which is free-tier eligible and suitable for low-traffic applications.



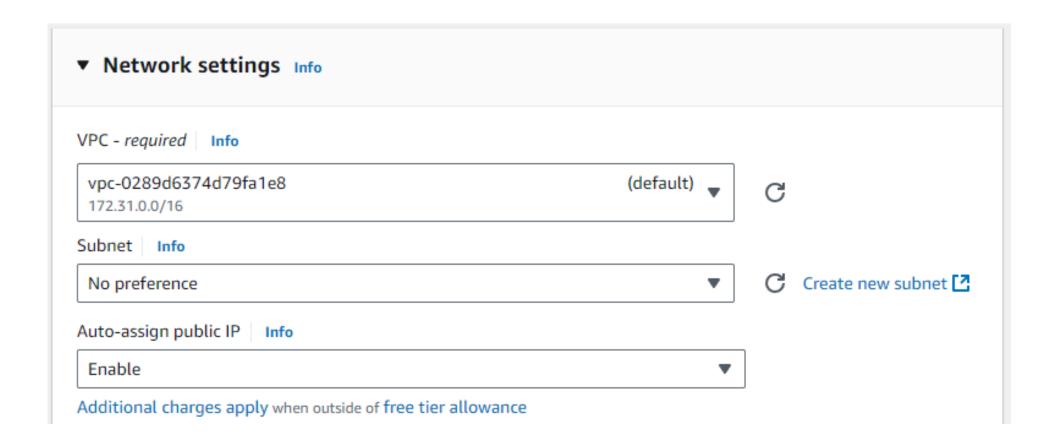
Step 4: Create a New Key Pair

A key pair ensures secure login using public-private encryption. The private key (.pem file) is required to access the instance securely using RDP (Remote Desktop Protocol).



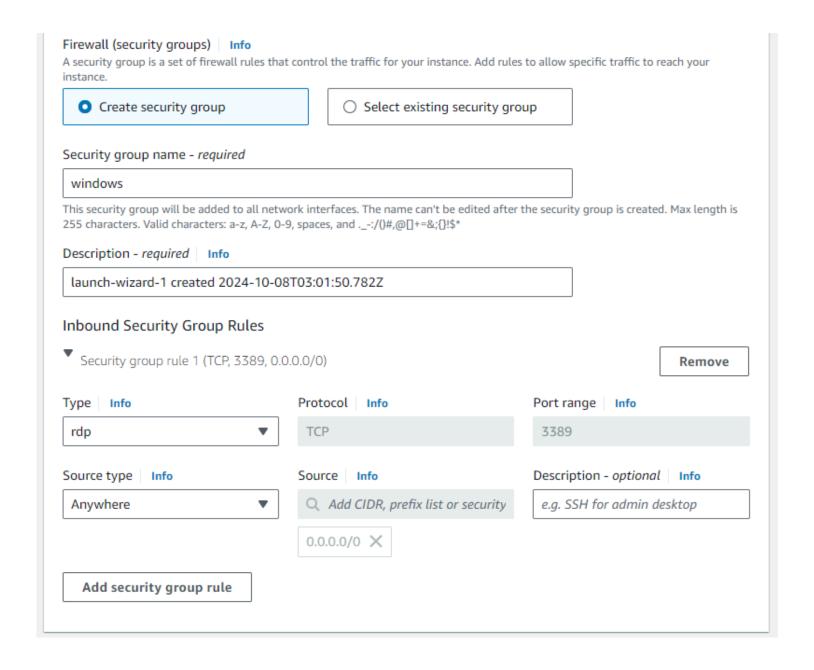
Step 5: Set the Network Settings

Network settings configure how your instance connects to the internet and other resources. I used a Virtual Private Cloud (VPC) with a public IP to allow remote access.



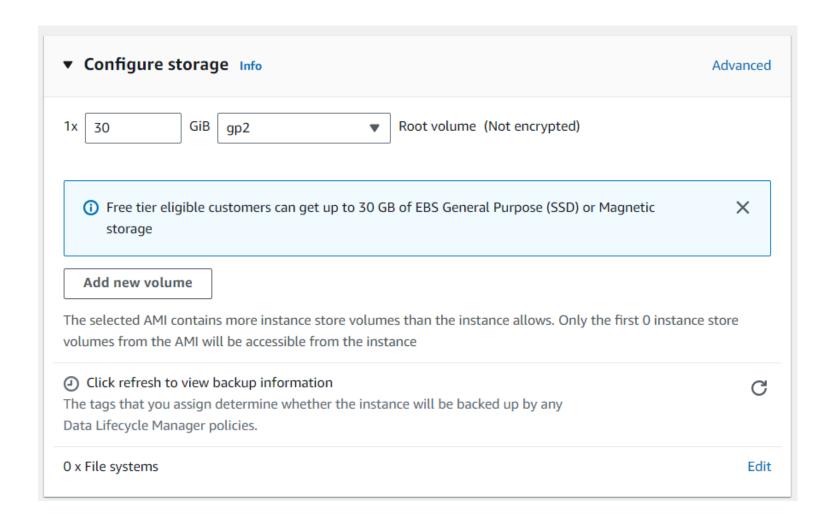
Step 6: Security Group

Security groups act as a virtual firewall for your instance. I used to RDP access via port 3389, ensuring secure connectivity while blocking unnecessary traffic.



Step 7: Configure Storage (30GB for Windows)

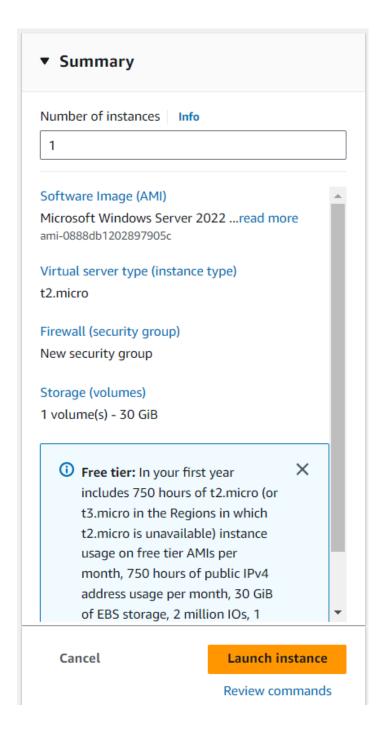
AWS uses Elastic Block Store (EBS) for storage. I configured 30GB, which is typical for Windows instances and falls within Free Tier limits.



Step 8: Launch Instance and Connect (RDP)

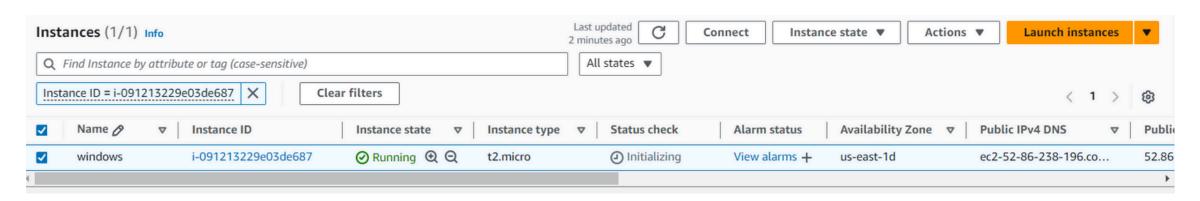
1. Launch Instance

After configuring your AMI, instance type, key pair, network, security group, and storage, the next step is to launch your instance. Clicking "Launch" will initiate the creation of your instance based on the specified configurations.



2. Connect to Instance

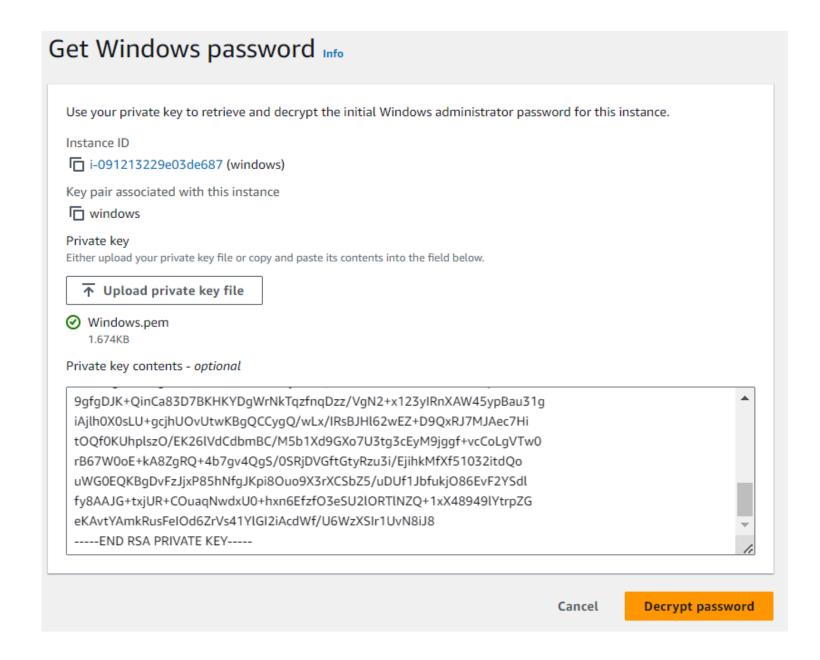
Once your instance is in the running state, you can connect to it. In the EC2 dashboard, select your instance and click on the "Connect" button. This will provide you with the details on how to connect to your instance, including using RDP for Windows instances.



3. Get Windows Password

For a Windows instance, AWS generates a random password for the Administrator account. You will need to retrieve this password to connect:

- Click on "Get Windows Password" in the EC2 dashboard.
- Upload your private key file (the .pem file generated when you created the key pair).
- AWS will decrypt and display the Administrator password.
 Copy this password for use in the RDP connection.



4. Connect (RDP)

You can now connect to the instance using Remote Desktop Protocol (RDP):

- Open the Remote Desktop Connection app on your local Windows machine.
- Enter the public IP address of your EC2 instance (visible in the EC2 console under instance details).
- When prompted, enter the username (Administrator) and the decrypted password obtained from the previous step.
- You will be logged into the Windows instance running in the AWS cloud.

