Sandbox Project: Deploying a Webpage in a Windows Server

Objectives:

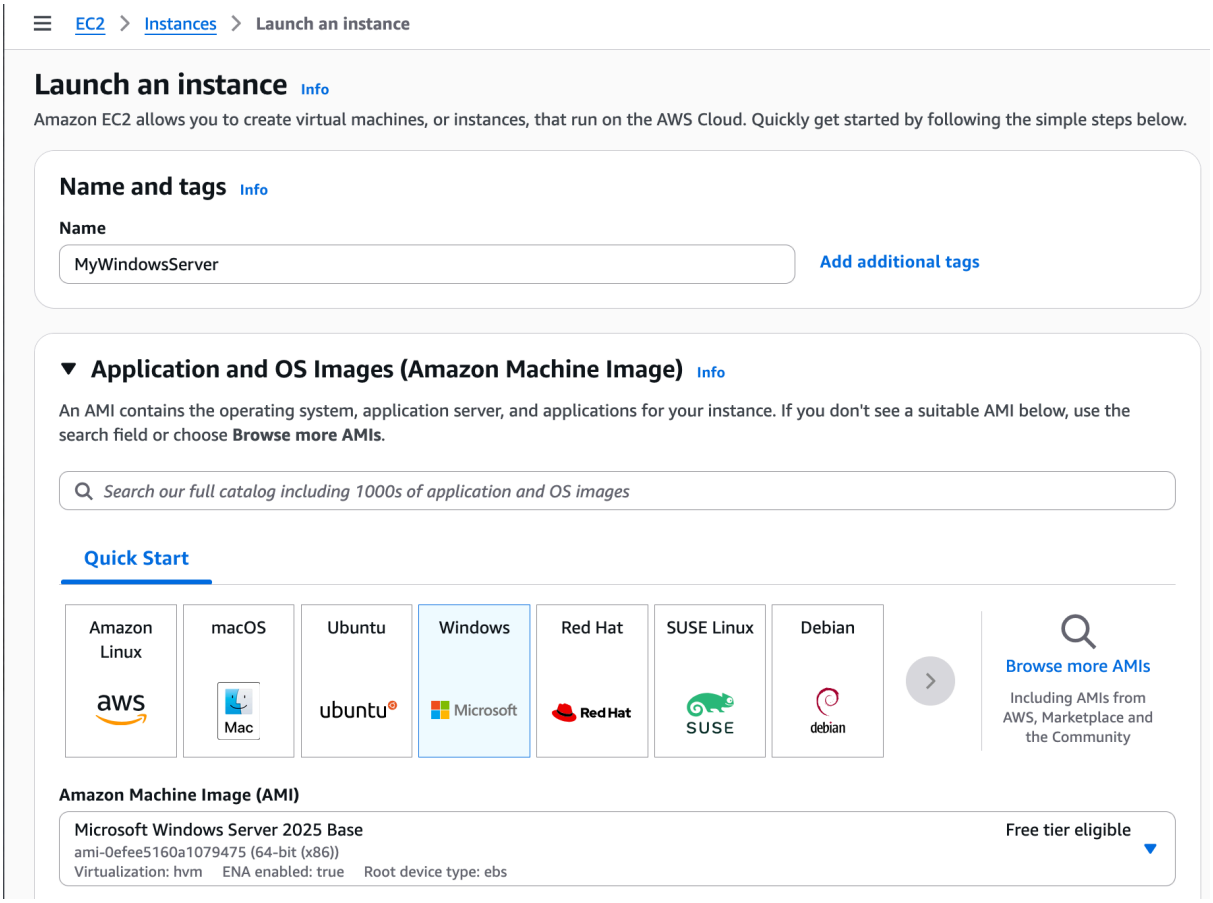
Create a windows server using AWS Ec2 instance.

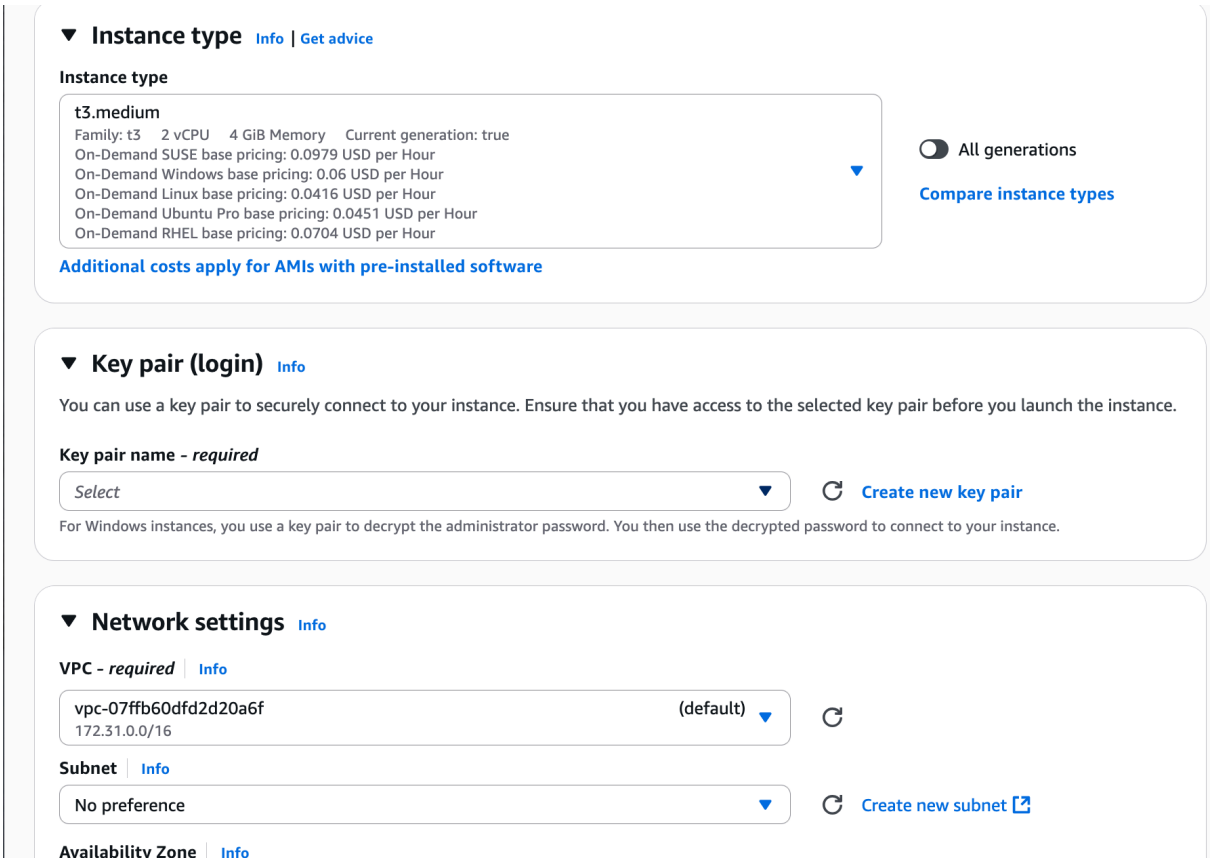
Deploy a simple webpage/website in the server.

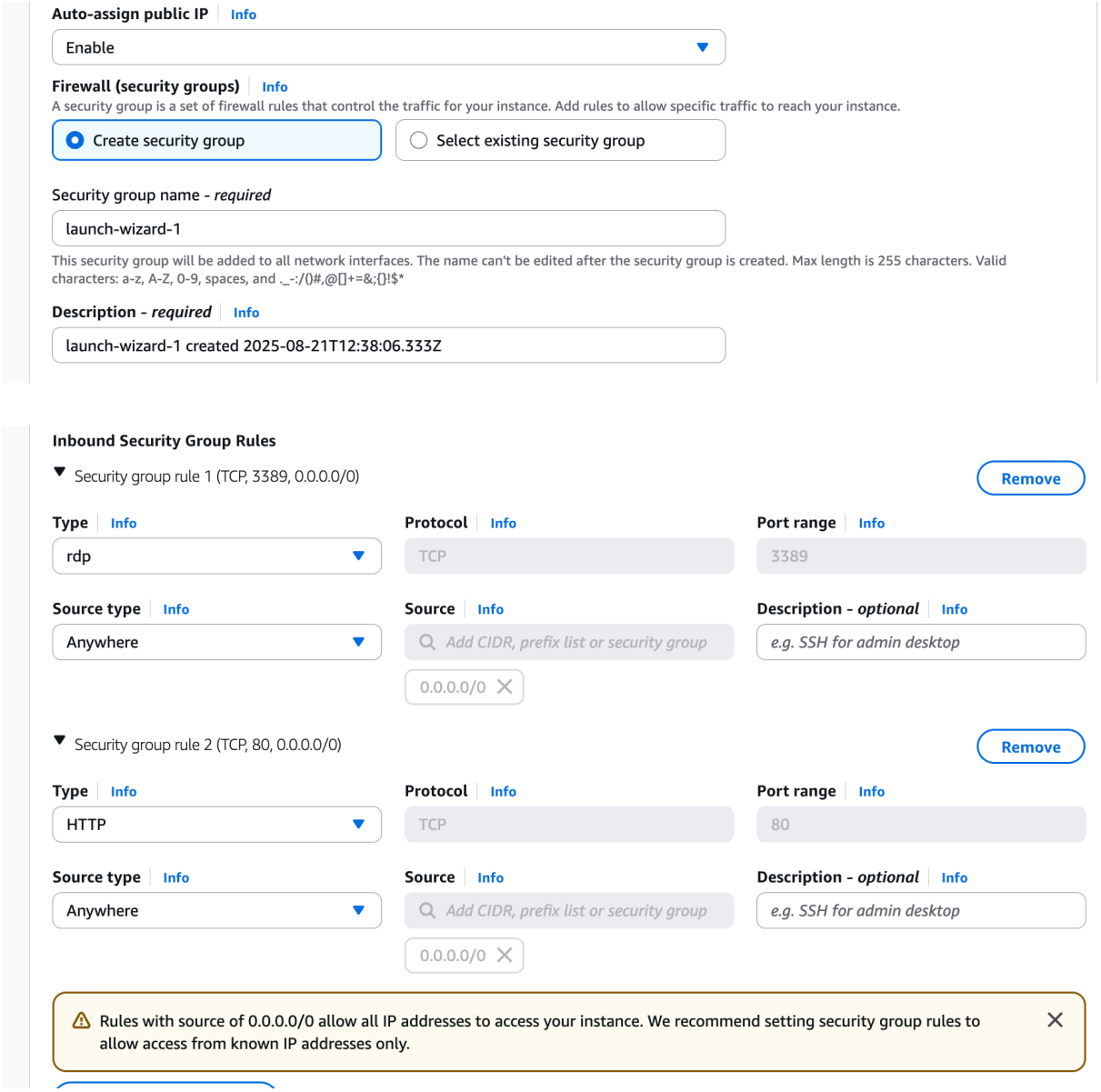
Scope:

Using sandbox environment.

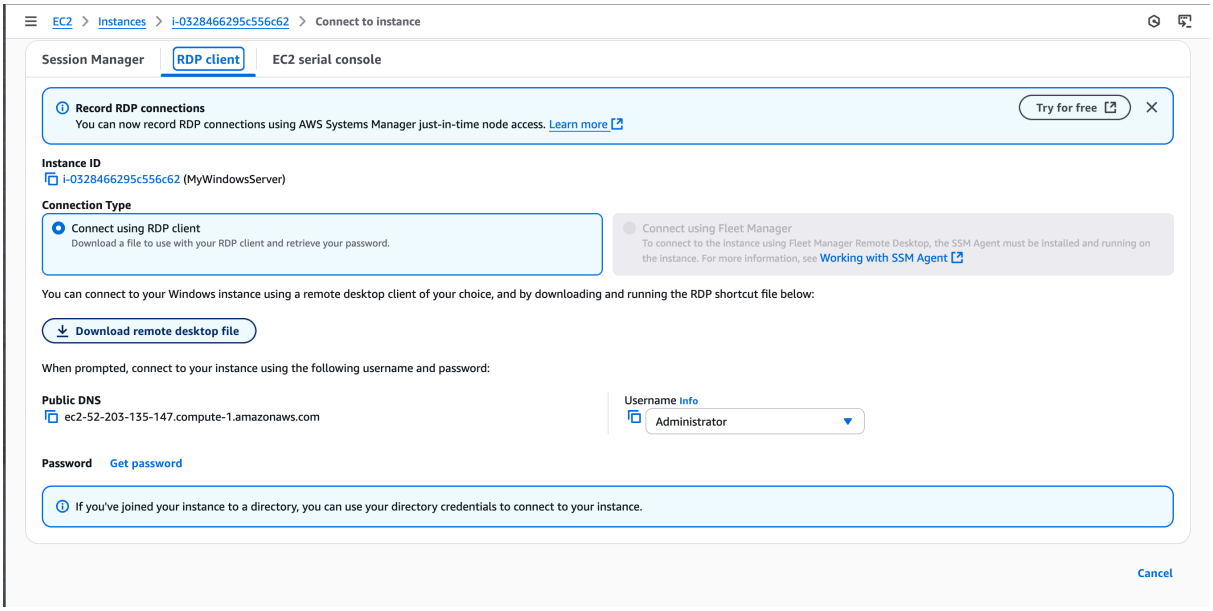
Launching Ec2 Instance


EC2 > Instances > Launch an instance
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
MyWindowsServer
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.
Search our full catalog including 1000s of application and OS images
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-0efee5160a1079475 (64-bit (x86))
Virtualization: hvm ENA enabled: true Root device type: ebs
Free tier eligible


Instance type Info | Get advice
Instance type
t3.medium
Family: t3 2 vCPU 4 GiB Memory Current generation: true
On-Demand SUSE base pricing: 0.0979 USD per Hour
On-Demand Windows base pricing: 0.06 USD per Hour
On-Demand Linux base pricing: 0.0416 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0451 USD per Hour
On-Demand RHEL base pricing: 0.0704 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
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
VPC - required Info
vpc-07ffb60dfd2d20a6f (default)
172.31.0.0/16
Subnet Info
No preference
Create new subnet
Availability Zone Info

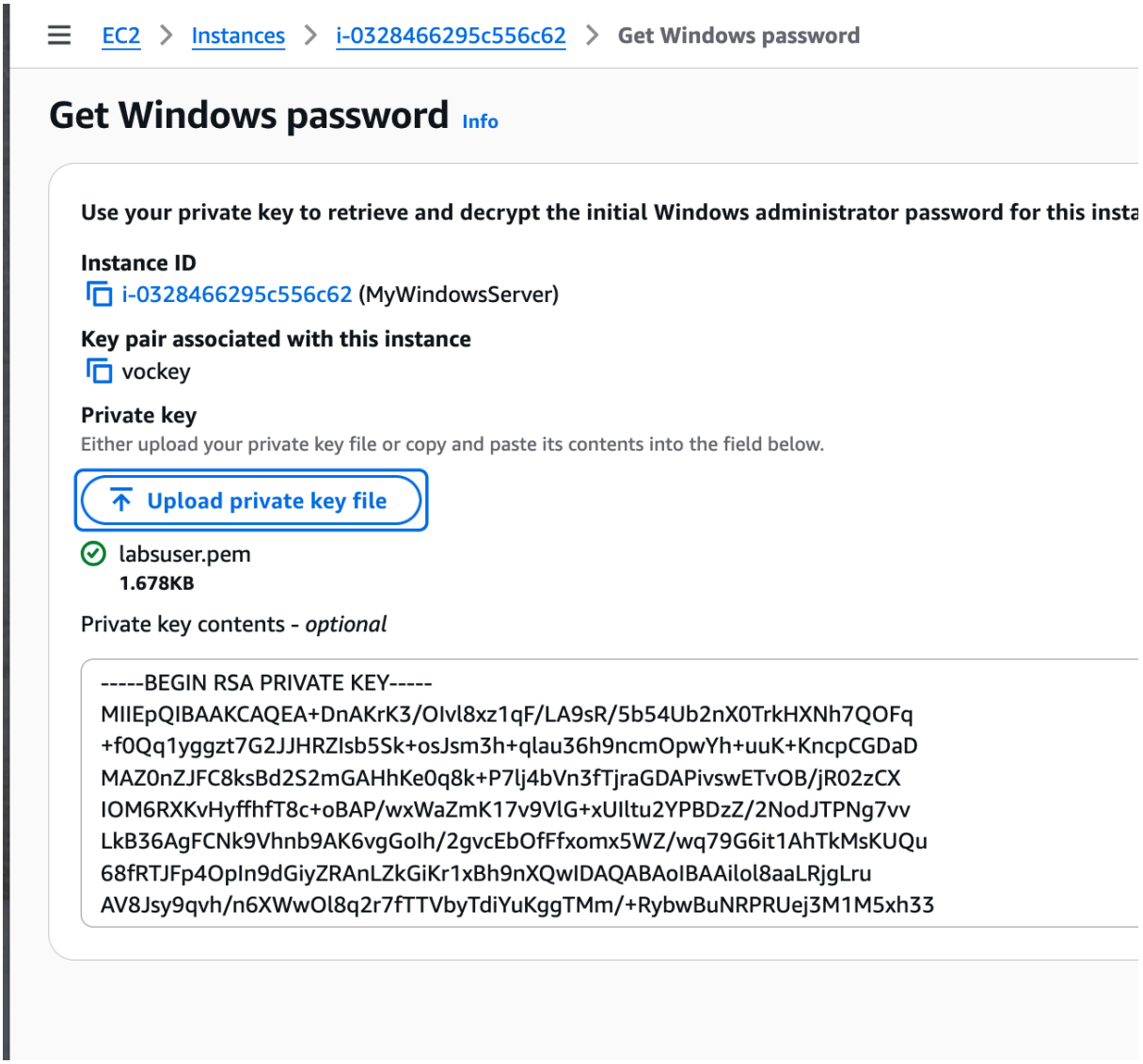


Connect to the instance using RDP client



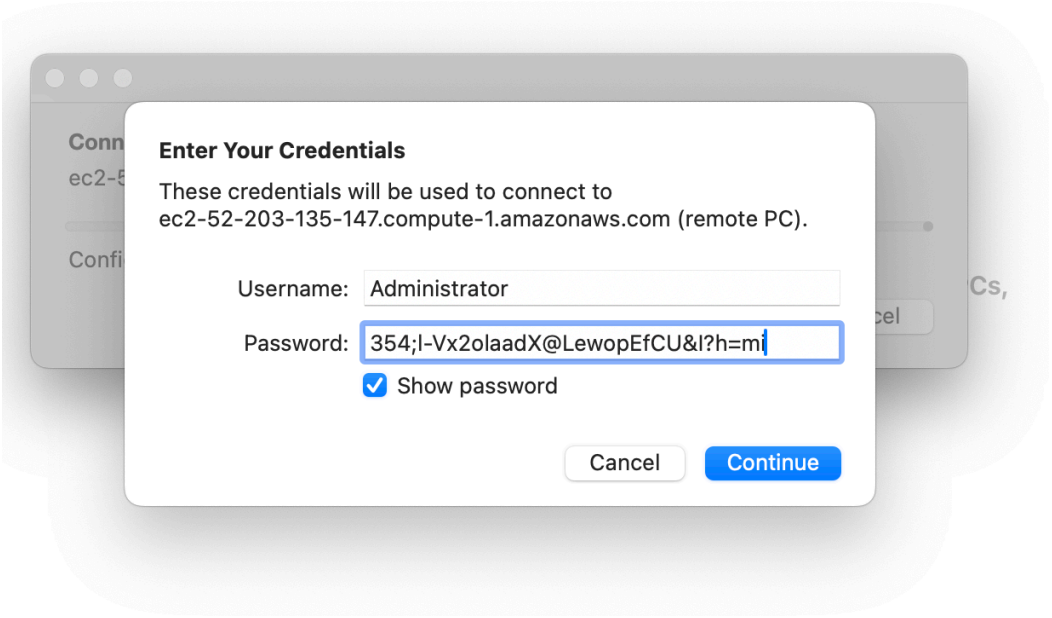
Download the RDP file

then click on “Get Password”, upload the .pem file that was created/used

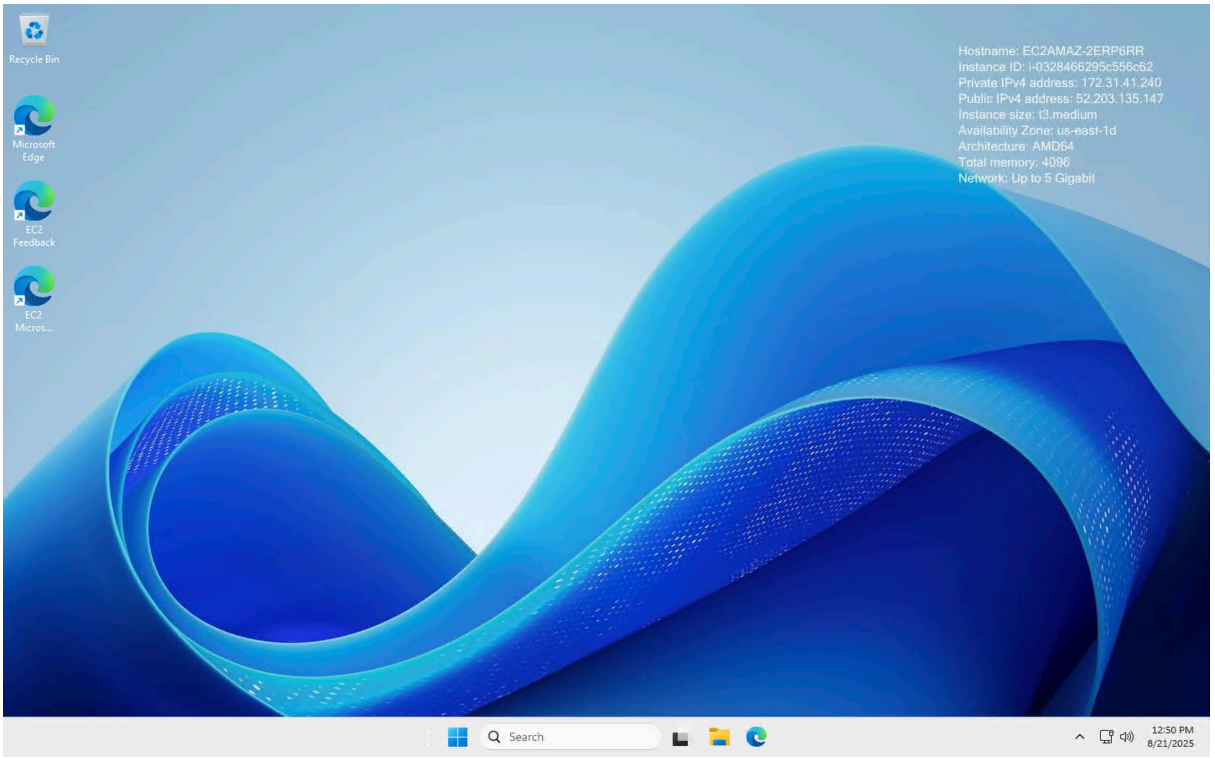


Decrypt the password and copy it.

open the downloaded RDP file and paste the password there.



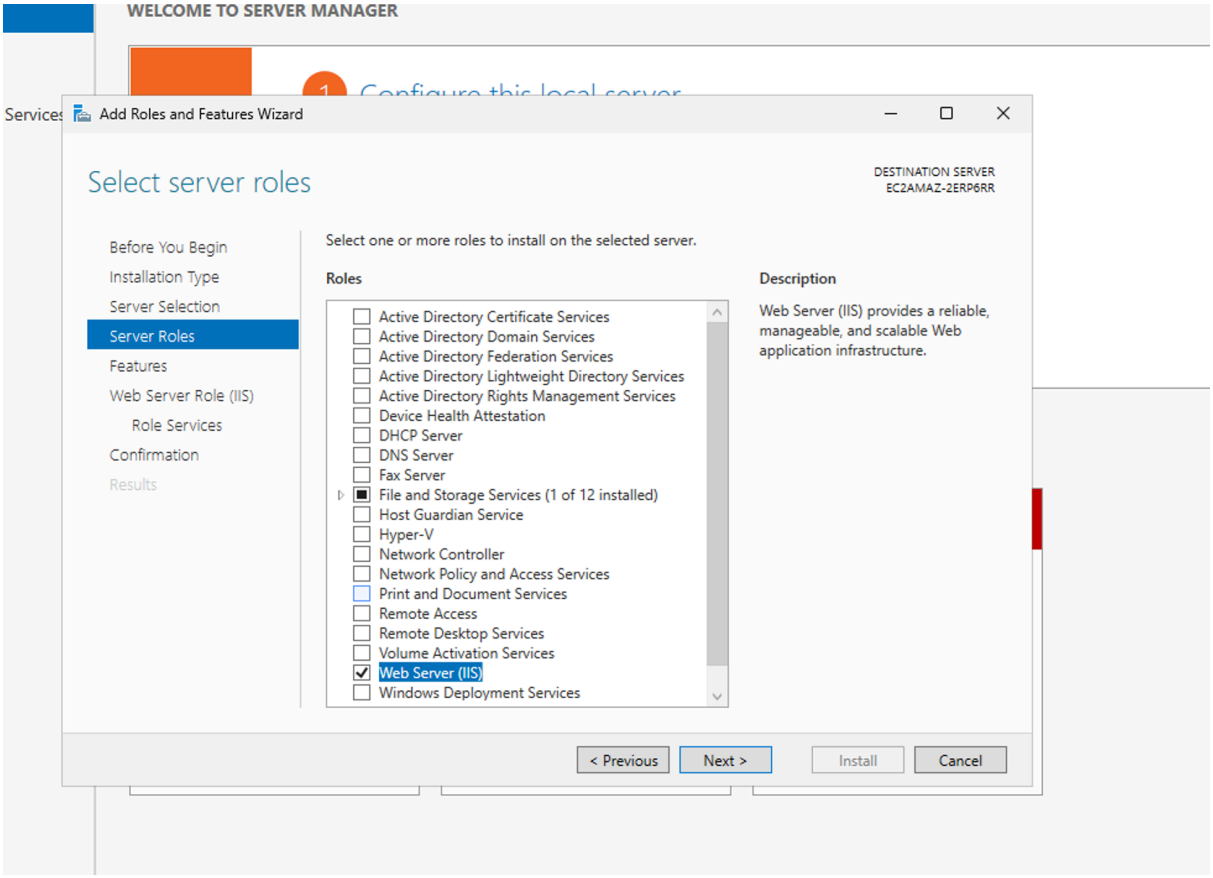
Windows Instance is running



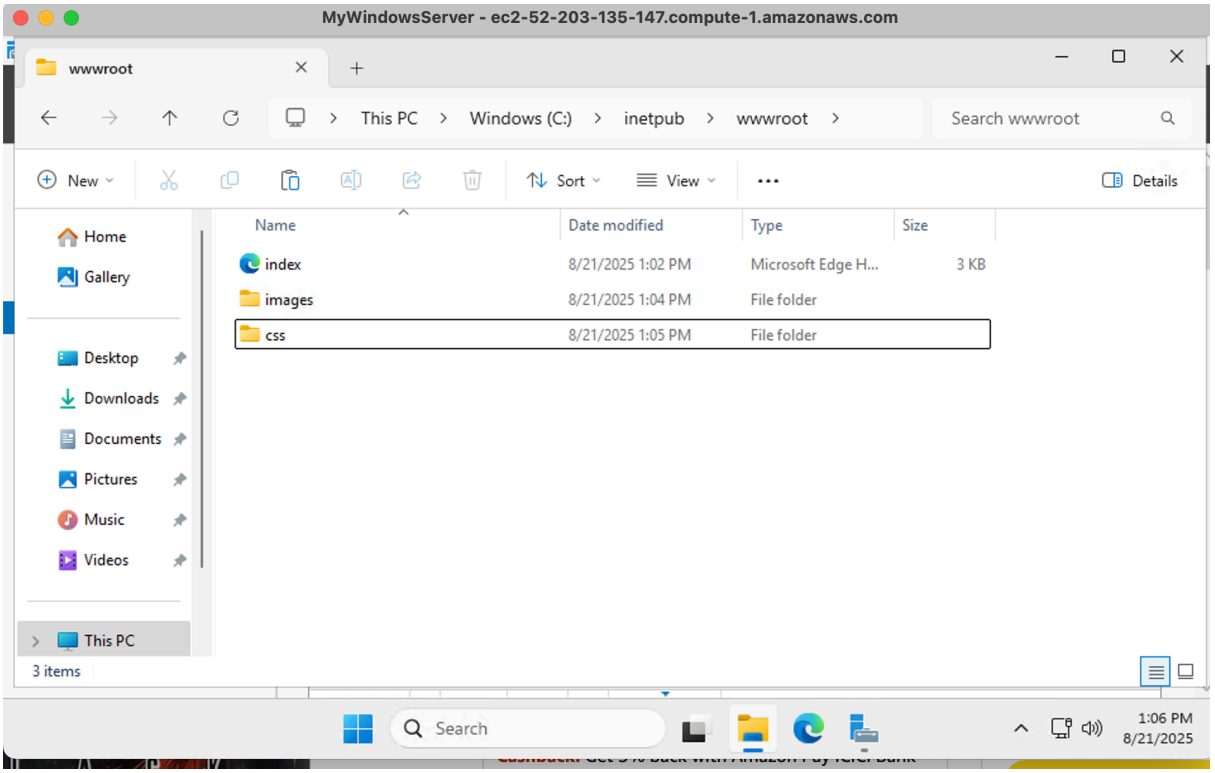
Creating a windows server (IIS)

Just click on IIS in the server roles tab.

Leave everything on default for this tutorial.



Paste your website file in Local Drive (C:) inetpub/wwwroot



Copy the public IPv4 address of the instance and paste in web browser.

The webpage is now visible.