Web Hosting Using Windows OS

Objective

The objective of this project is to host a static website using Internet Information Services (IIS) on a Windows-based AWS EC2 instance. The aim is to understand how to deploy, configure, and access a website on a cloud-hosted Windows Server.

Introduction

Web hosting allows websites to be accessible over the internet. On Windows operating systems, IIS (Internet Information Services) serves as the official Microsoft web server platform. This project demonstrates how to use IIS to host a static HTML/CSS website on an AWS EC2 Windows Server instance. By doing so, it integrates concepts of cloud computing, networking, and system configuration.

Procedure

Step 1: Launch a Windows EC2 Instance

• Log in to the AWS Management Console and open the EC2 service.

• Create a new instance using the Microsoft Windows Server AMI.

• Choose instance type t2.micro (Free Tier eligible).

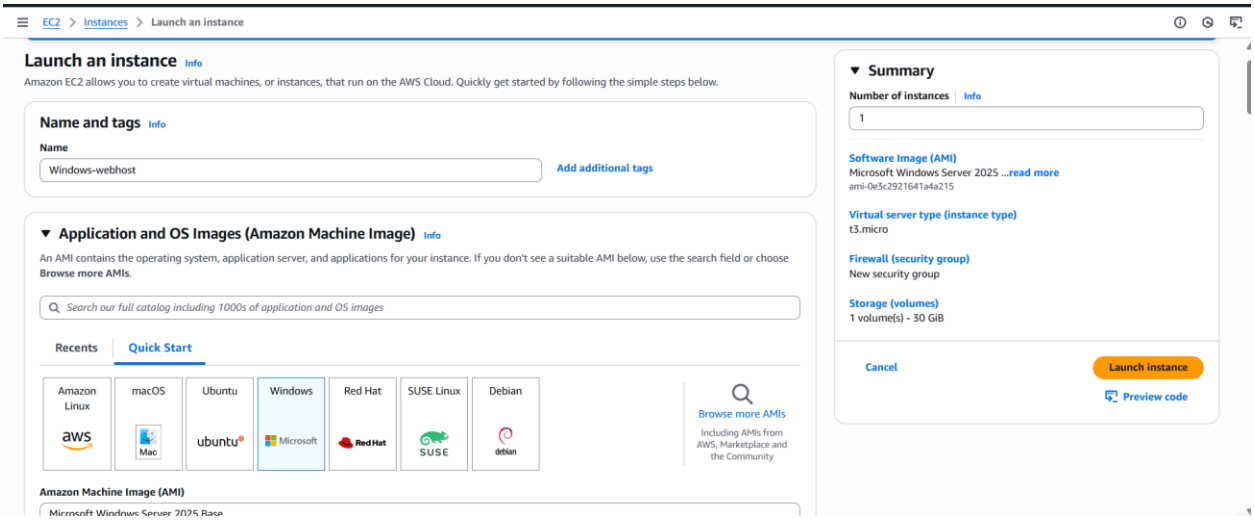
• Allow RDP (3389) and HTTP (80) in the security group.

• Launch the instance and note the Public IP address.

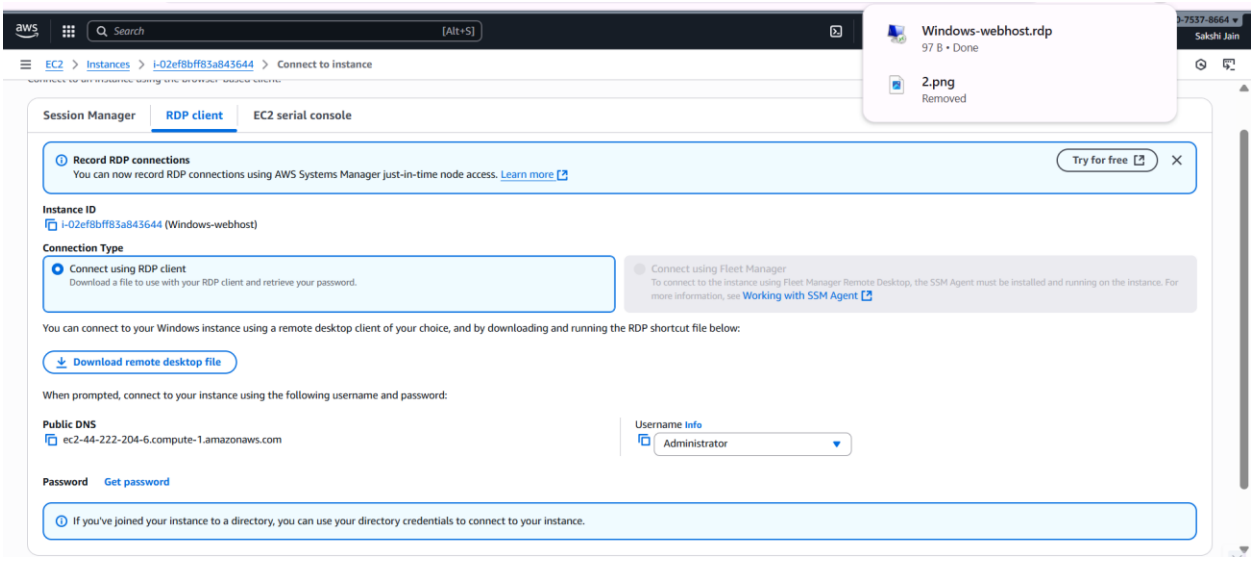
Step 1: Create EC2 Instance (Windows)

1. Search for EC2 → Launch Instance.
2. Choose 'Microsoft Windows Server 2022 Base AMI.
3. Select 't3.micro' instance type.
4. Configure Key Pair (.pem file).
5. Under Network Settings, allow RDP and HTTP.

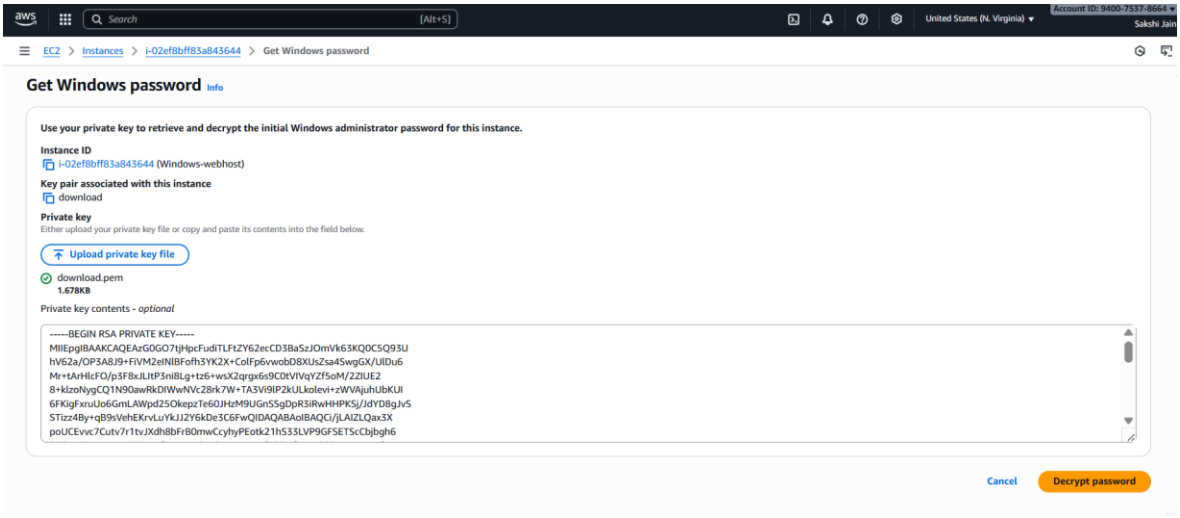
6. Launch the instance.

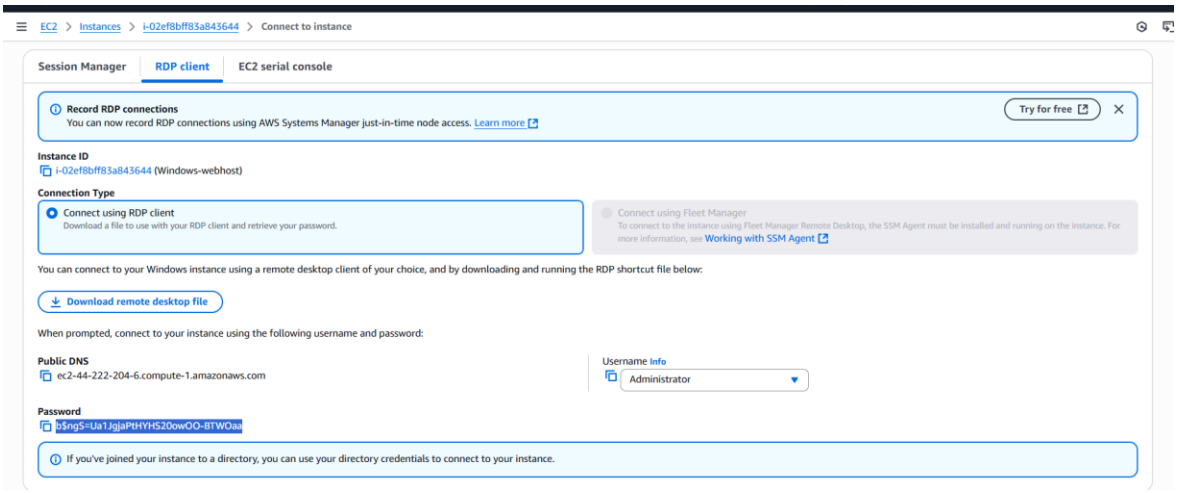


Step2: AWS Connect Screen (Windows): Shows the RDP client connection details, including the Public DNS and the option to get the administrator password.

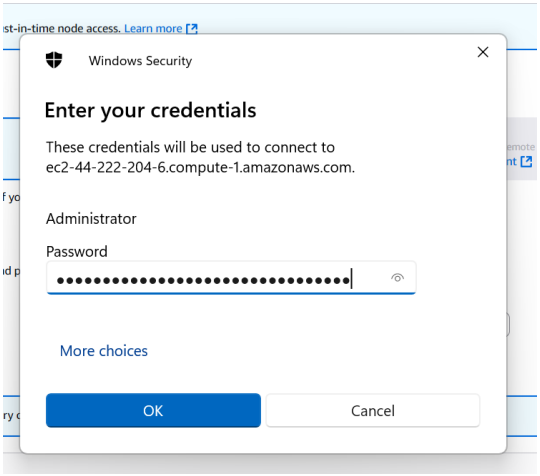


Get Password



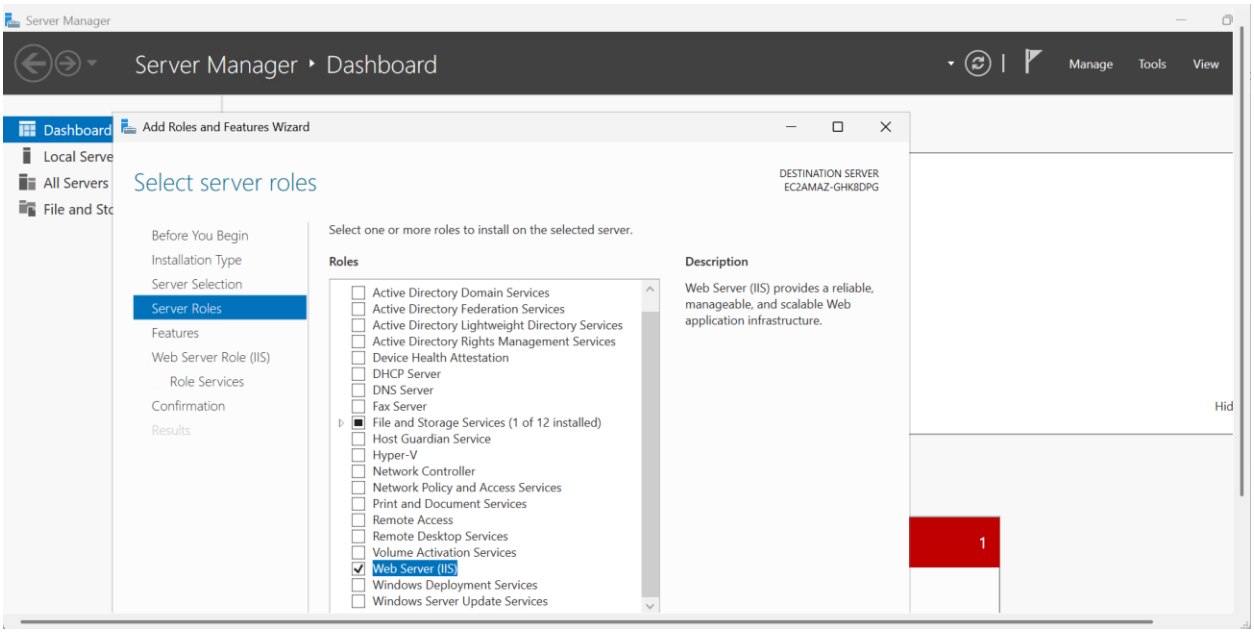


Connect with RDP



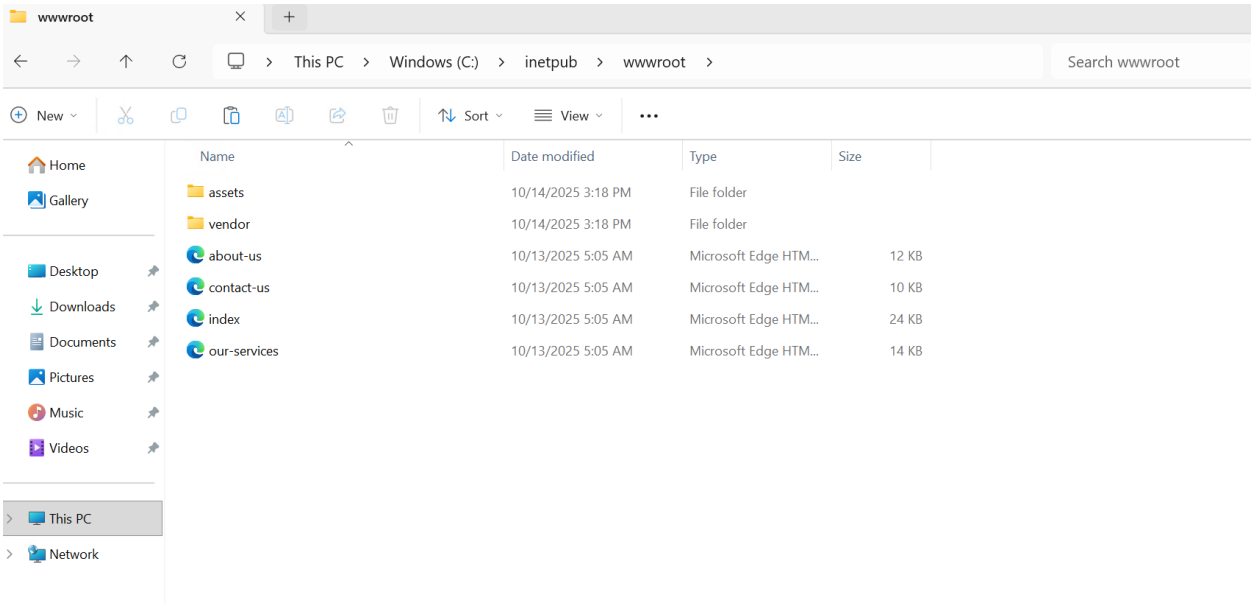
Step 3:

1. In Windows Server, open 'Server Manager'.
2. Click 'Add Roles and Features' → Next.
3. Select 'Web Server (IIS)' → Add Features → Next → Install.
4. Wait until installation completes successfully.



Step 4: Deploy Your Static Website

1. Navigate to the IIS web root directory: C:\inetpub\wwwroot
2. Delete the default file iisstart.html.
3. Copy your website files (index.html, style.css, script.js, etc.) into this folder.



Step 5: Test the Website

1. Open your browser (on your local system).
2. Type:http://
3. Your static website should now be live and publicly accessible