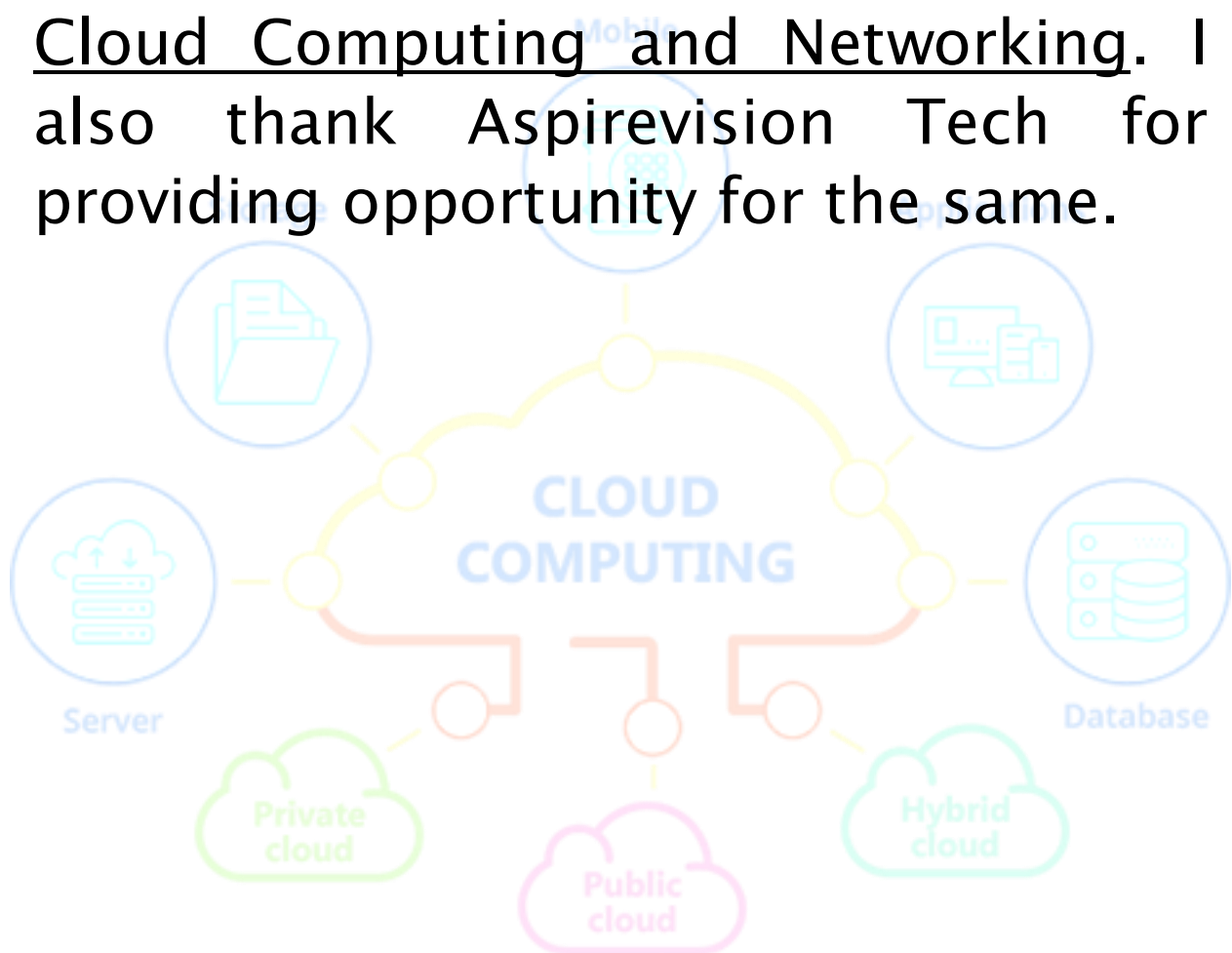# HOSTING A WEBSITE ON WEB SERVER

Acknowledgment

I would like to thank Mr. Binayak Prasad Gupta for instructing us on <u>Cloud Computing and Networking</u>. I also thank Aspirevision Tech for providing opportunity for the same.

The Basics: -

1. Web Server: -
A Web server is a program that uses HTTP (Hypertext Transfer Protocol) to serve the files that form Web pages to users, in response to their requests, which are forwarded by their computers' HTTP clients. Dedicated computers and appliances may be referred to as Web servers as well.

2. AWS: -
Amazon Web Services (AWS) is a subsidiary of Amazon.com that provides on-demand cloud computing platforms to individuals, companies and governments, on a paid subscription basis. The technology allows subscribers to have at their disposal a virtual cluster of computers, available all the time, through the Internet.

Basic Steps To Host A Website: -
i. Spin an Instance (Windows 2012 R2 Base OS) On AWS.
ii. Install Web Server(IIS)
iii. Turn Off IE Enhanced Security Configuration
iv. Locate the default Web-Server Directory and place your website (html page)
v. Configure the default website from IIS Manager

I. Spin an Instance On AWS:

- Login to your AWS account
- Choose EC2 Instance
- Launch Instance
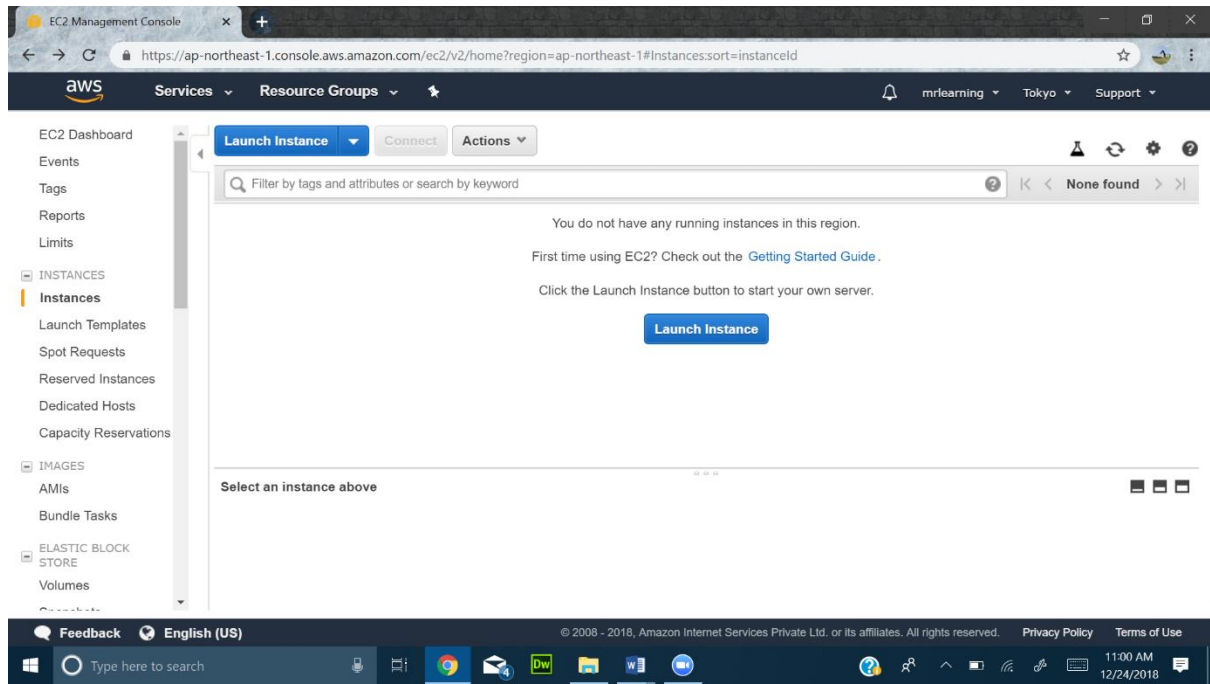
- Proceed to choose Windows Server 2012 RS Base and review.
- Check for Security Groups and <u>edit security groups</u>
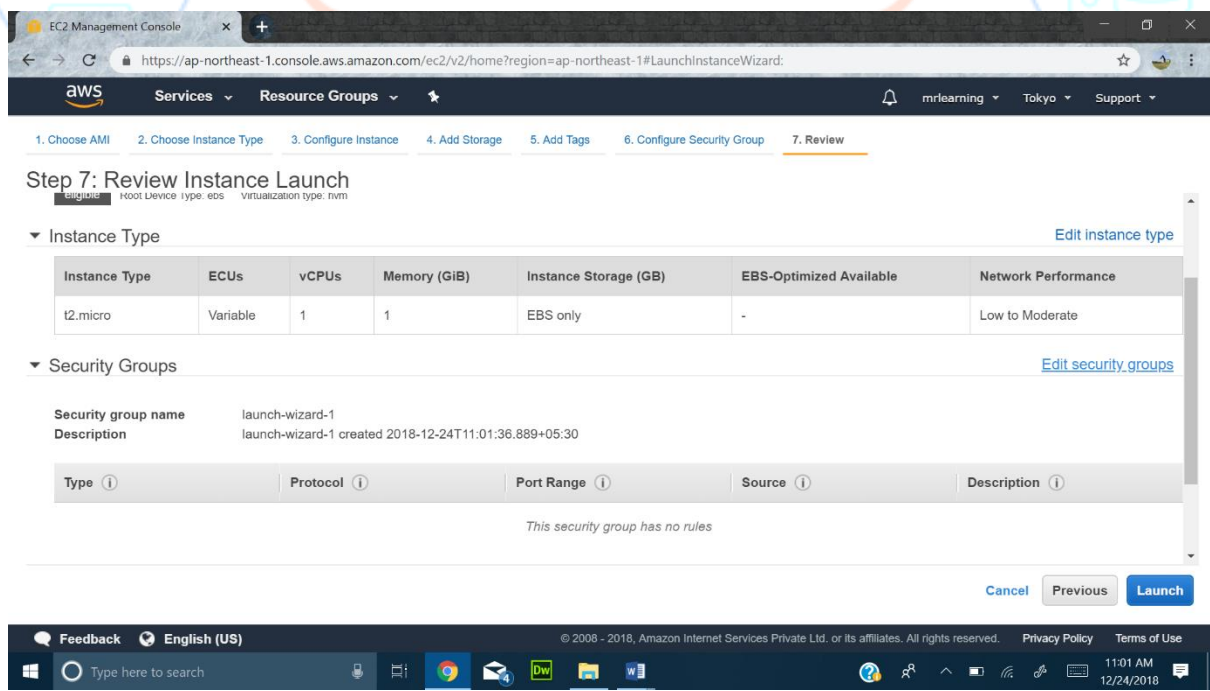
- Change the name of the security group
- <u>Add Rule and c</u>hoose HTTP<u> in the Type field</u>
- Proceed and Connect

- Download the Remote Desktop File and the Security key file.
- Upload the security key file and decrypt the password.Copy the password and save it in a notepad

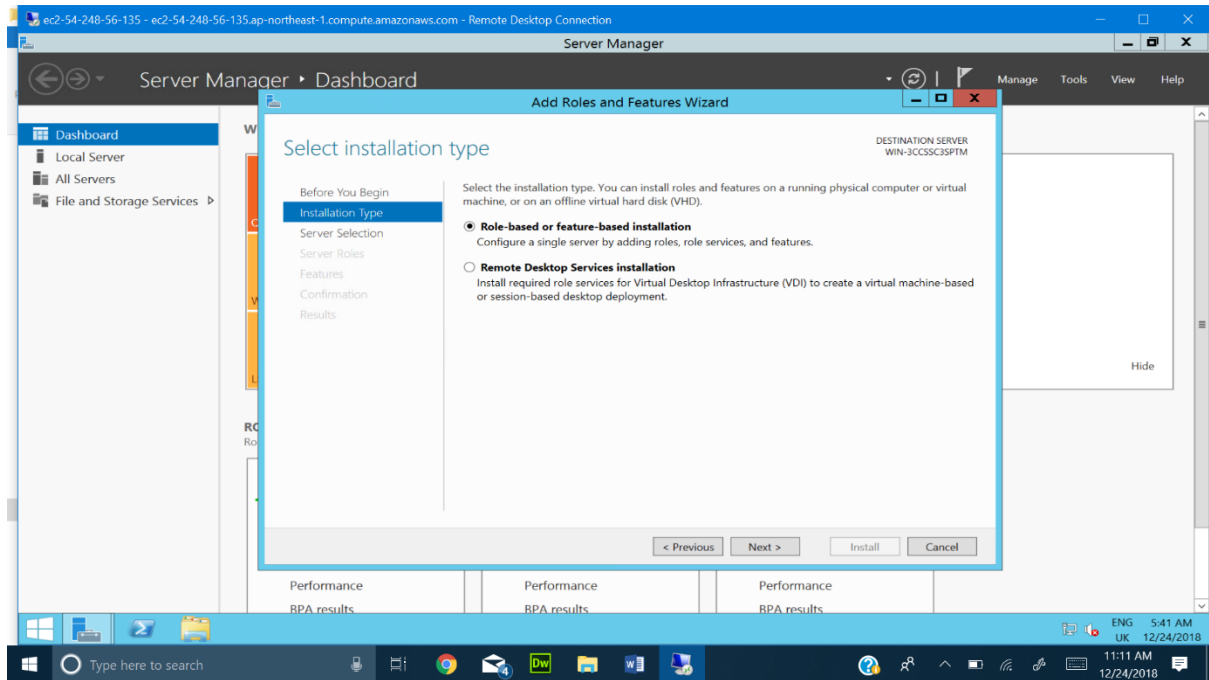- Open the Remote Desktop File and enter the Password that was Decrypted.
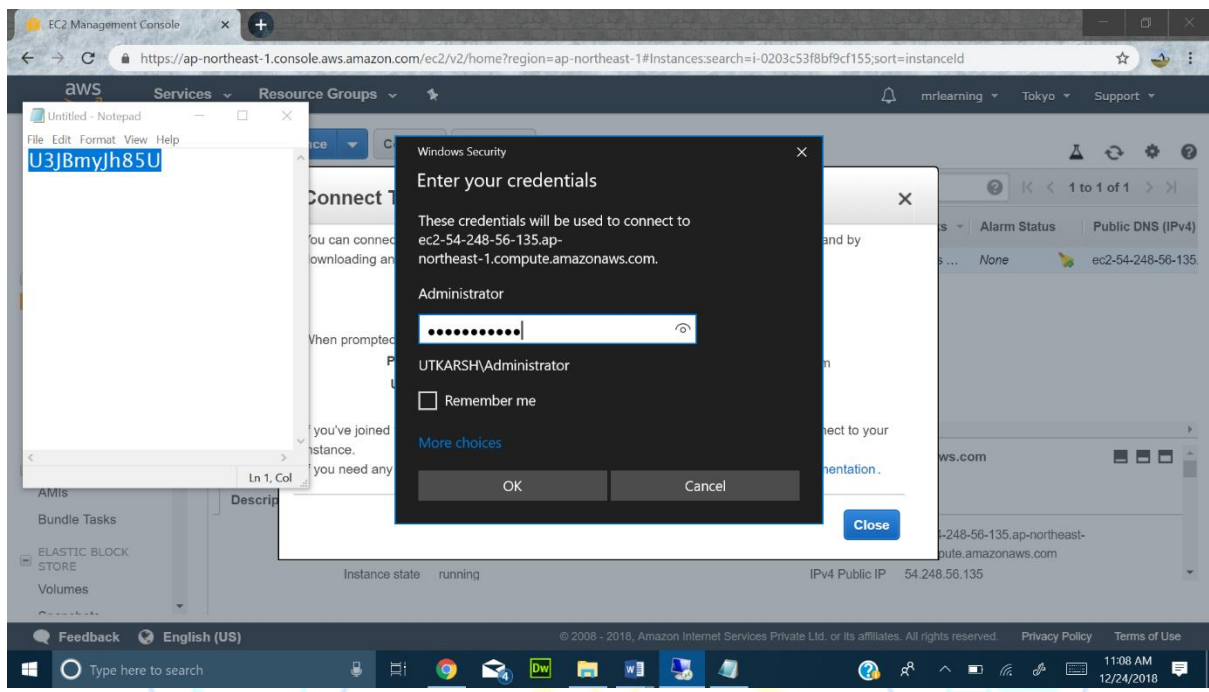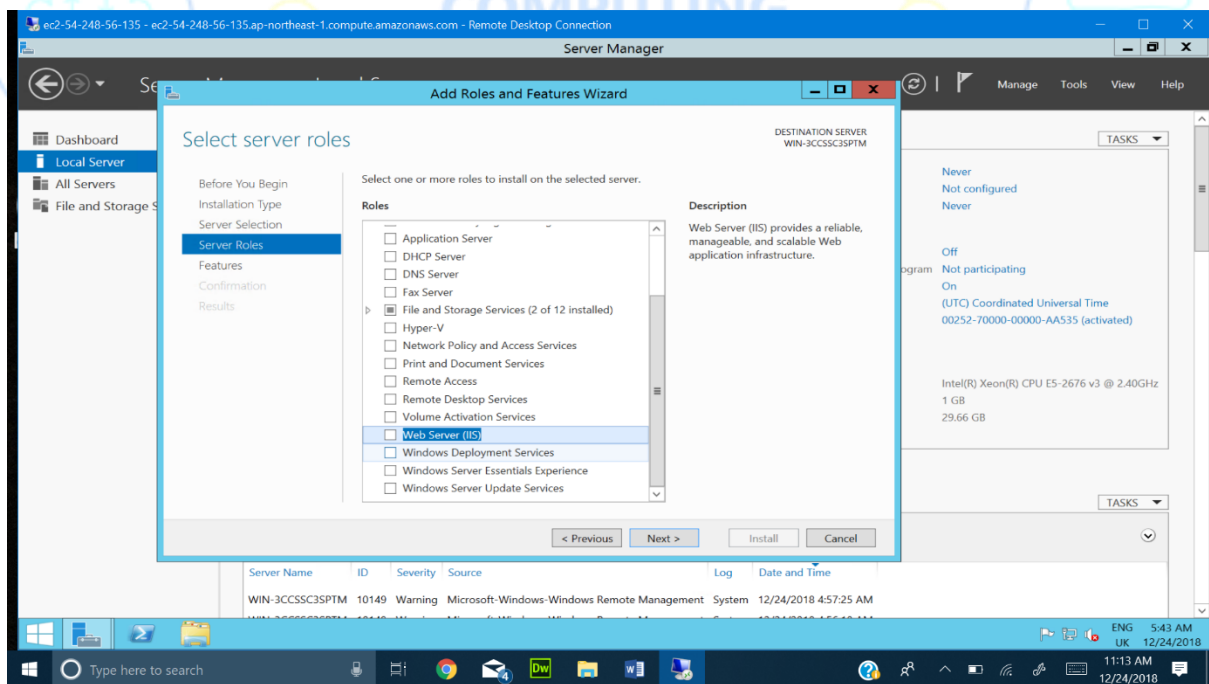

- You are ready with your virtual machine.
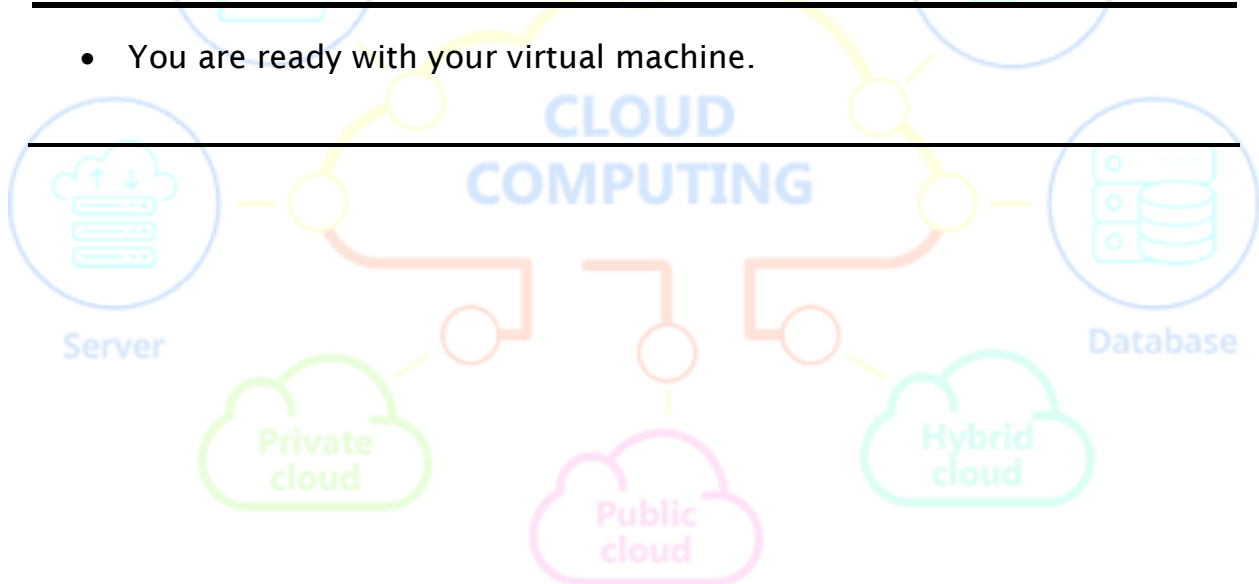
2.Install Web Server

- Open Server Manager and choose Add Roles And Features.
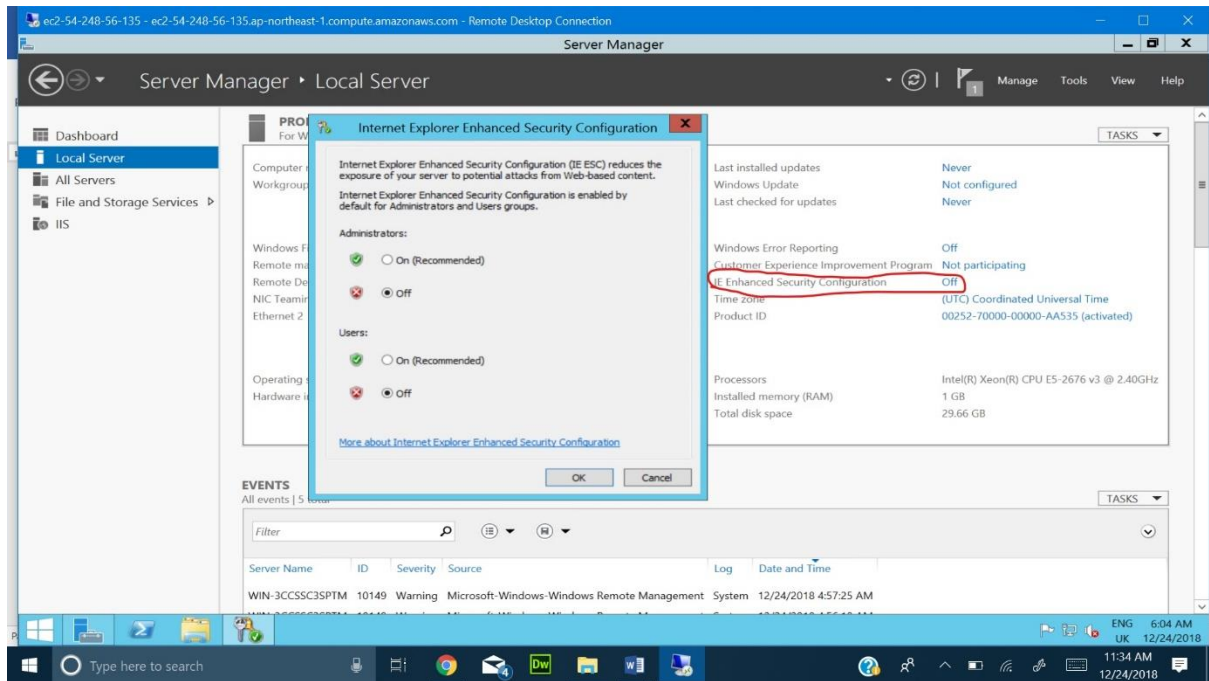- Select Role-bases or feature based installation

- Proceed to Server Roles and Select Web Server (IIS).
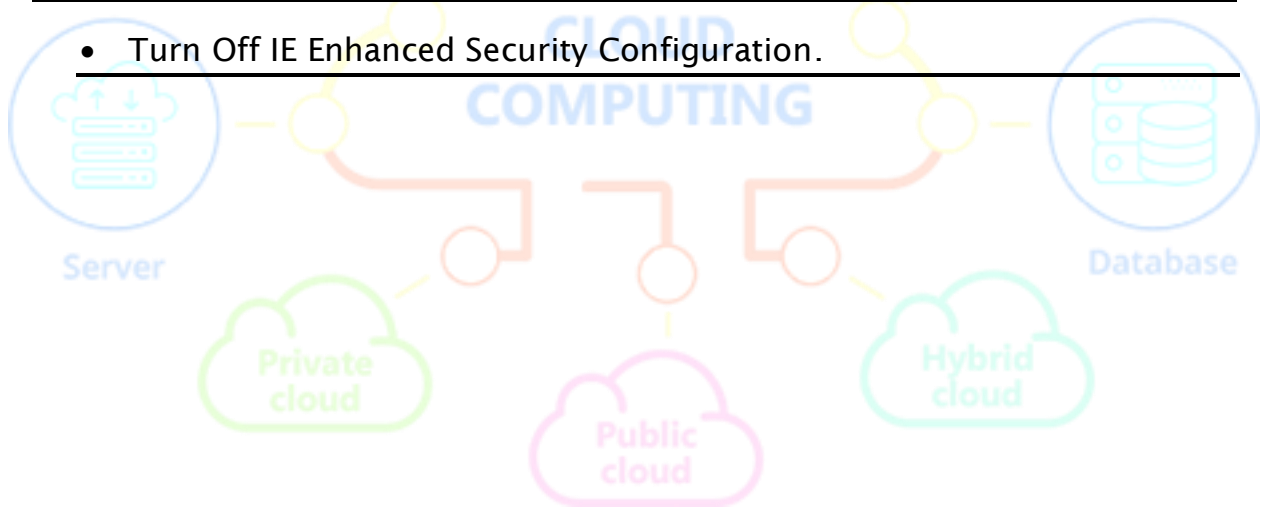- Proceed and install this service.
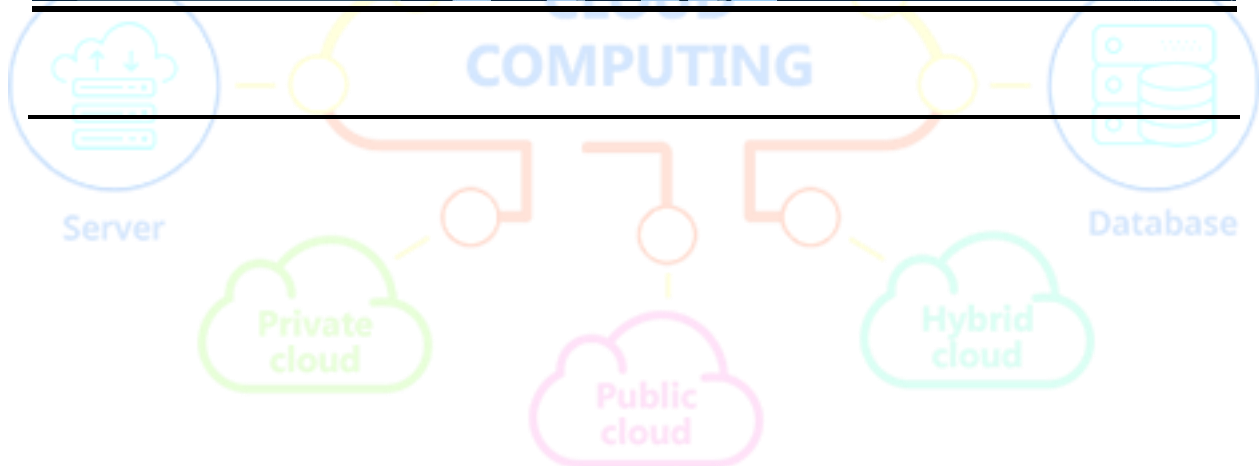
3. Turn Off IE Enhanced Security Configuration

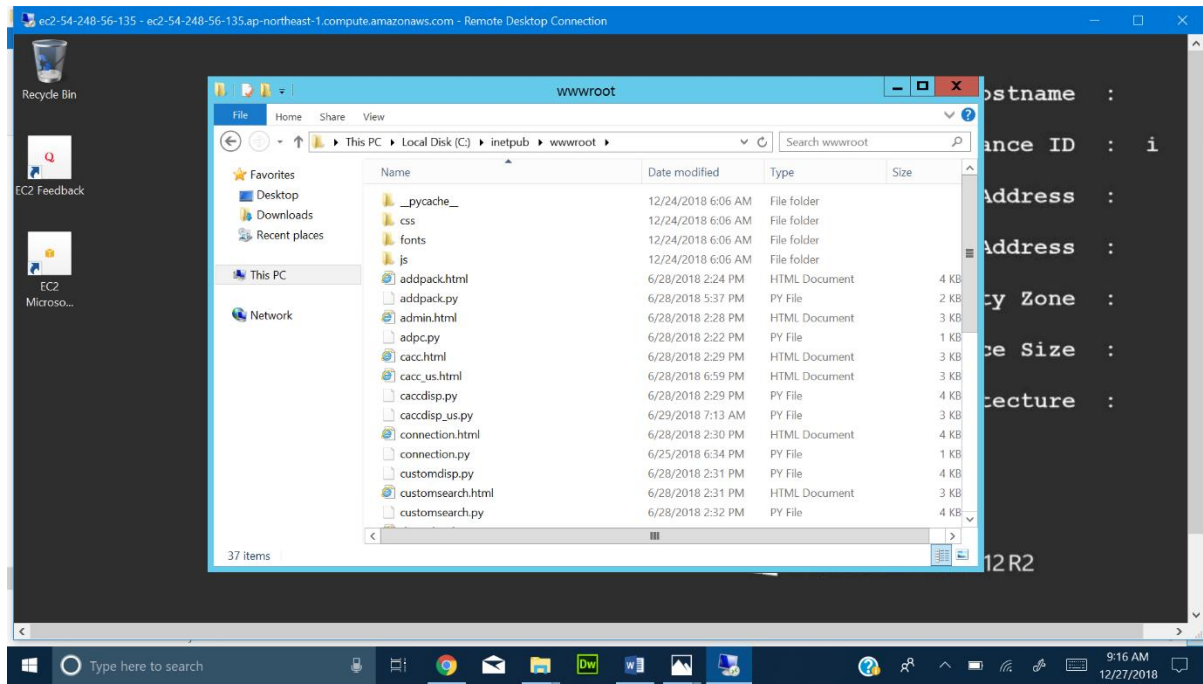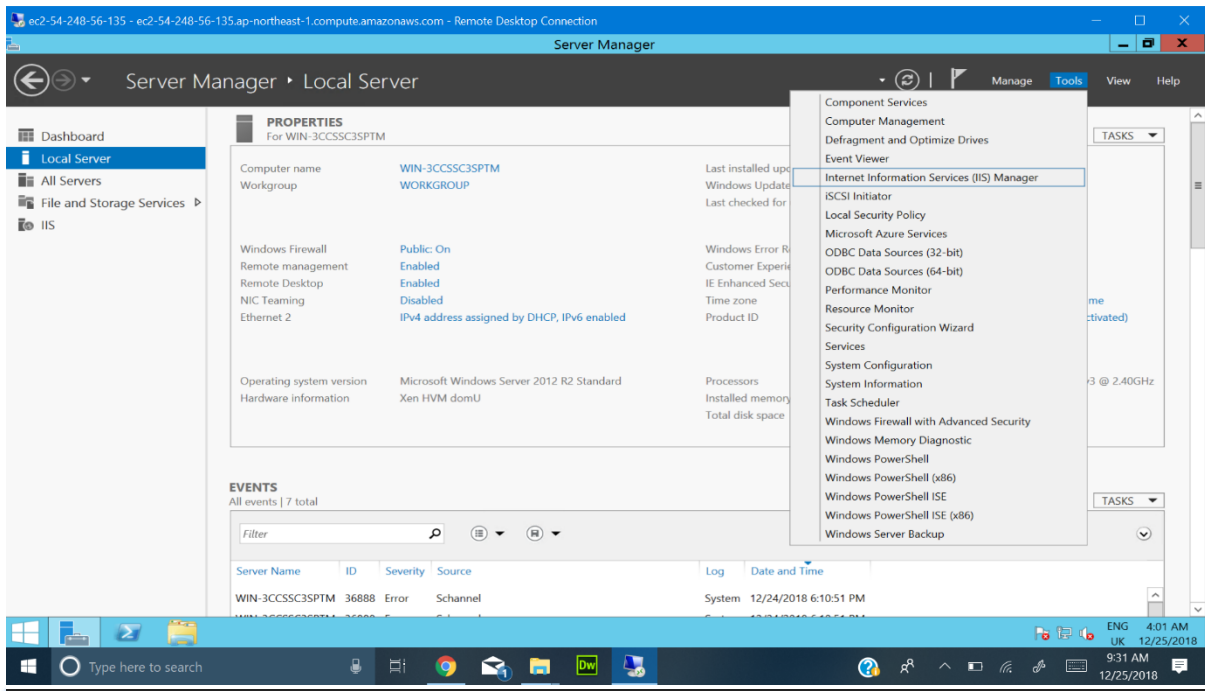
- Turn Off IE Enhanced Security Configuration.

4. Locate the default Web-Server Directory

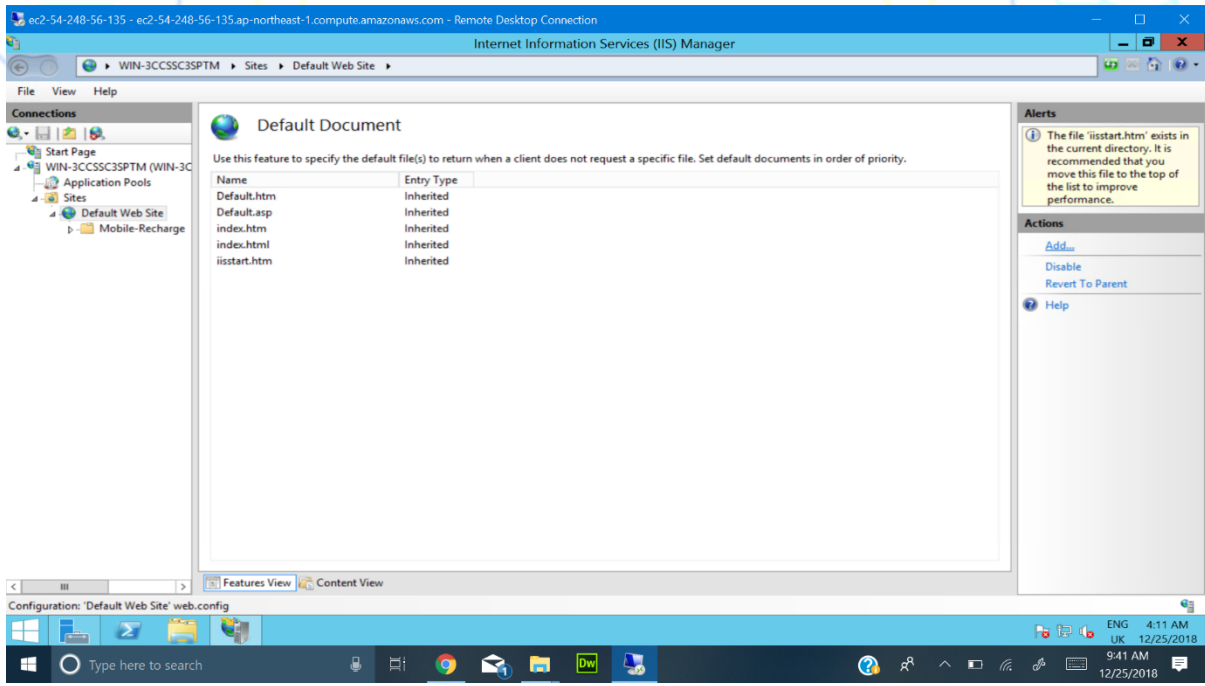- Go to This PC->inetpub->wwwroot
- Paste your website

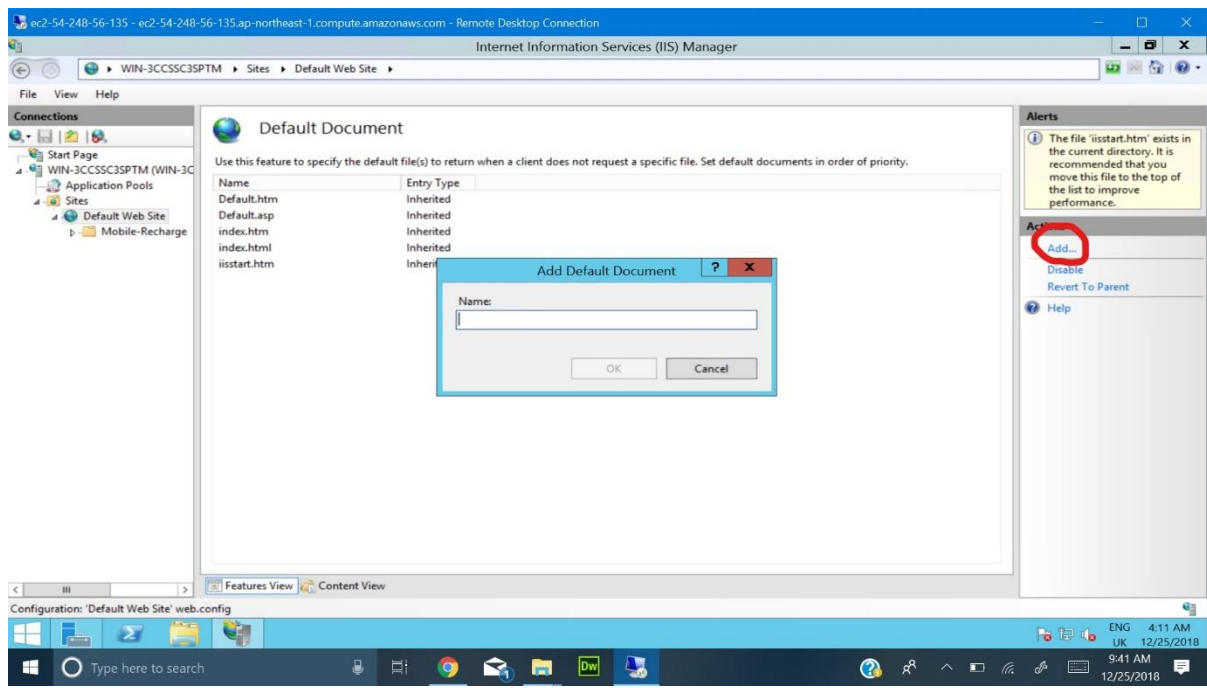# 5.Configure the default website from IIS Manager
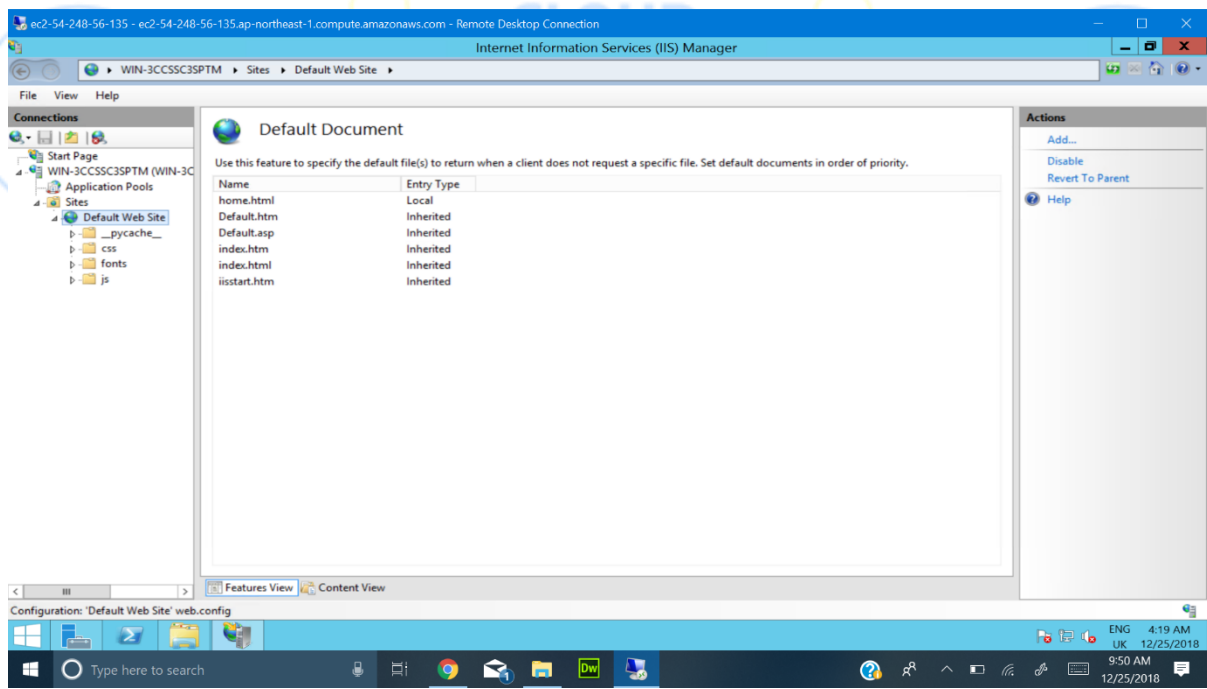
- Open IIS Manager

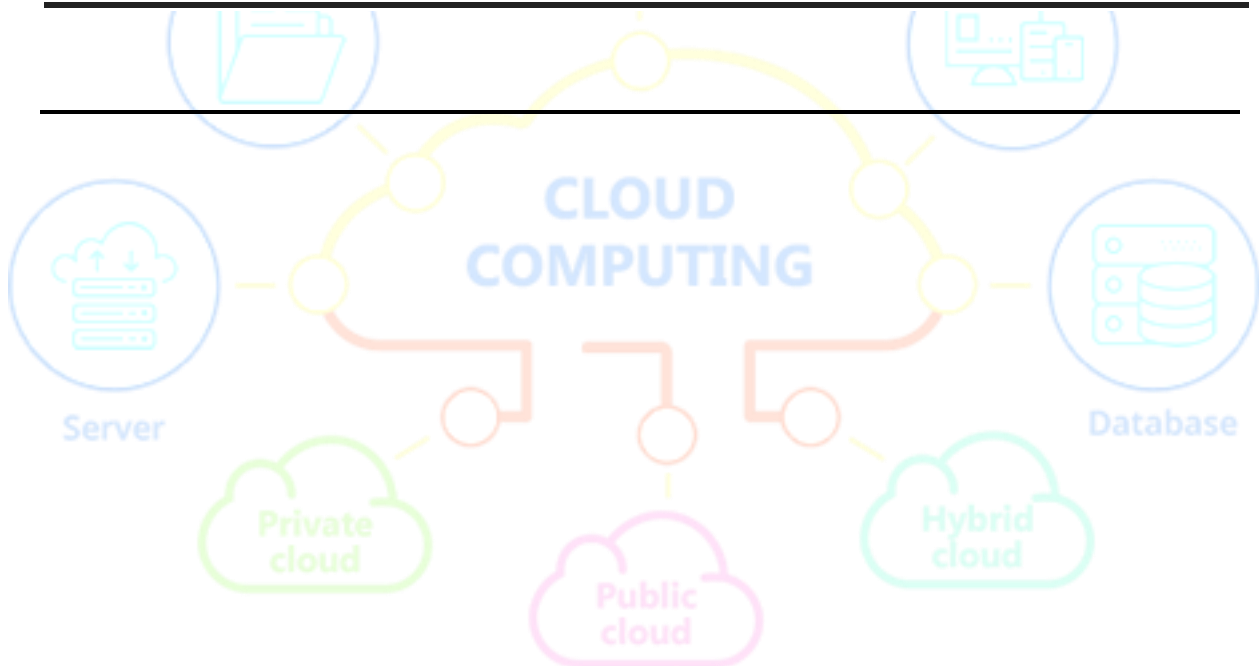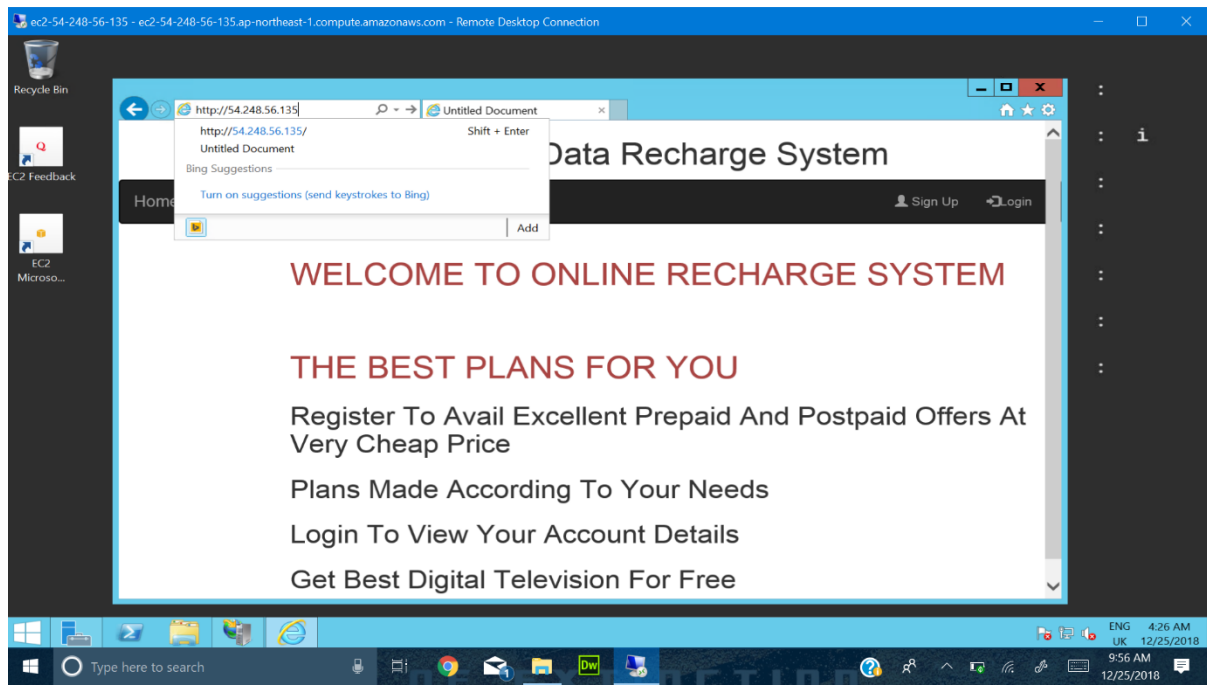- Go to Default Web Site as shown on the left side

- Click on Add
- Enter the full name with extension of your default website
-

- Default webpage is ready

- Access the webpage by your public ip .

Conclusion

We have completed the project to host a website through a Web Server and using the default tools (Web Server IIS) available on Windows Server 2012 that was spun on AWS and it was successful.

It could be accessed on any platform supporting a browser using the public IP of the system.