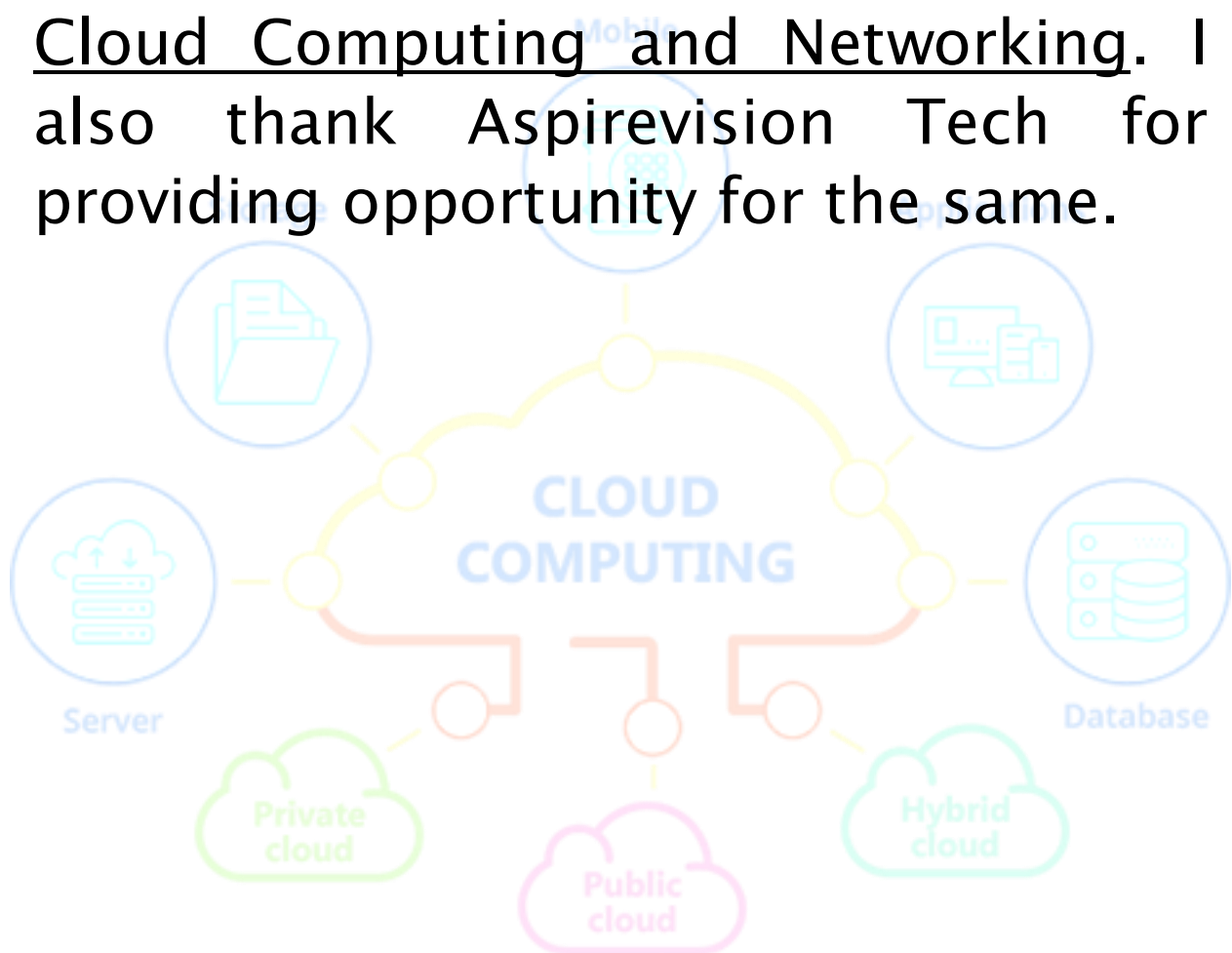




# **ACKNOWLEDGMENT**

I would like to thank Mr. Binayak Prasad Gupta for instructing us on Cloud Computing and Networking. 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.

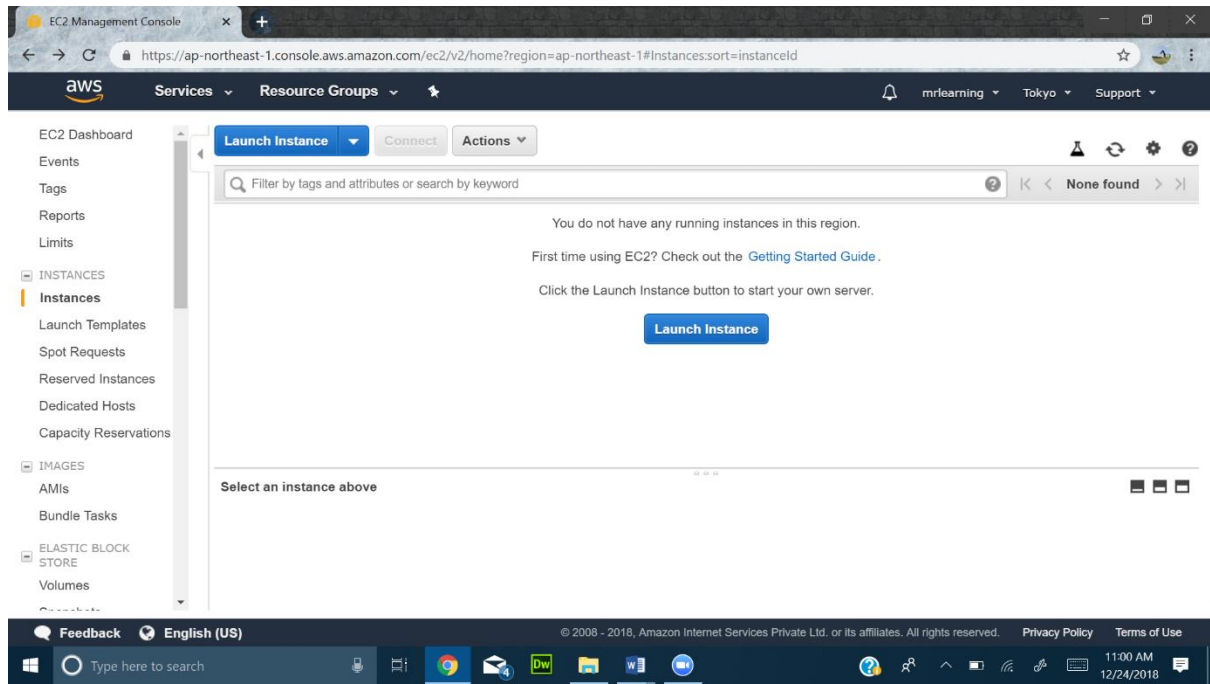
**2.AWS:** -Amazon Web Services (AWS) is a subsidiary of Amazon.com that provides on-demand cloud computing platforms to individuals, companies and governments, on a paid subscription basis. The technology allows subscribers to have at their disposal a virtual cluster of computers, available all the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

## **BASIC STEPS TO HOST A WEBSITE: -**

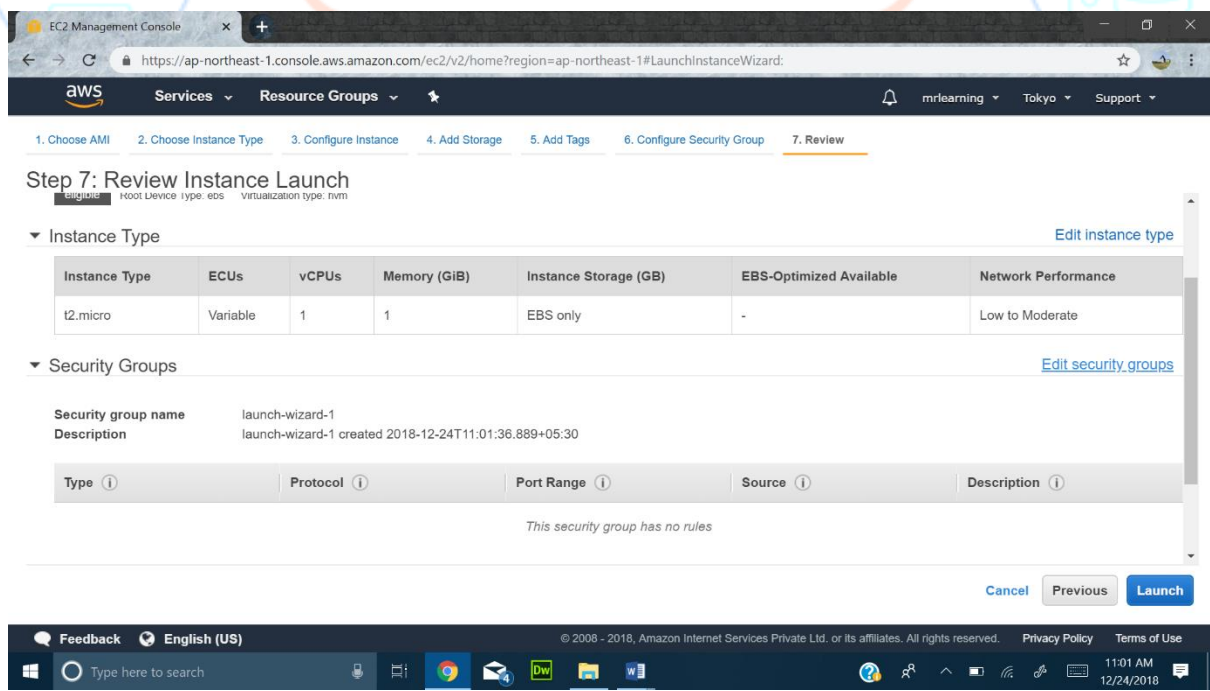
- i. Spin an Instance (Windows 2012 R2 Base OS) On AWS.
- ii. Install Web Server(IIS)
- iii. Turn Off IE Enhanced Security Configuration
- iv. Locate the default Web-Server Directory and place your website (html page)
- v. Configure the default website from IIS Manager

# 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 edit security groups



- Change the name of the security group
- Add Rule and choose HTTP in the Type field
- Proceed and Connect

**Step 6: Configure Security Group**

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups.

Assign a security group: ☒ Create a new security group ☐ Select an existing security group

Security group name:

Description:

Type	Protocol	Port Range	Source	Description
RDP	TCP	3389	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop
HTTP	TCP	80	Custom 0.0.0.0/0	e.g. SSH for Admin Desktop

[Add Rule](#)

**Warning**

[Cancel](#) [Previous](#) [Review and Launch](#)

- 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

**Connect To Your Instance**

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[Download Remote Desktop File](#)

When prompted, connect to your instance using the following details:

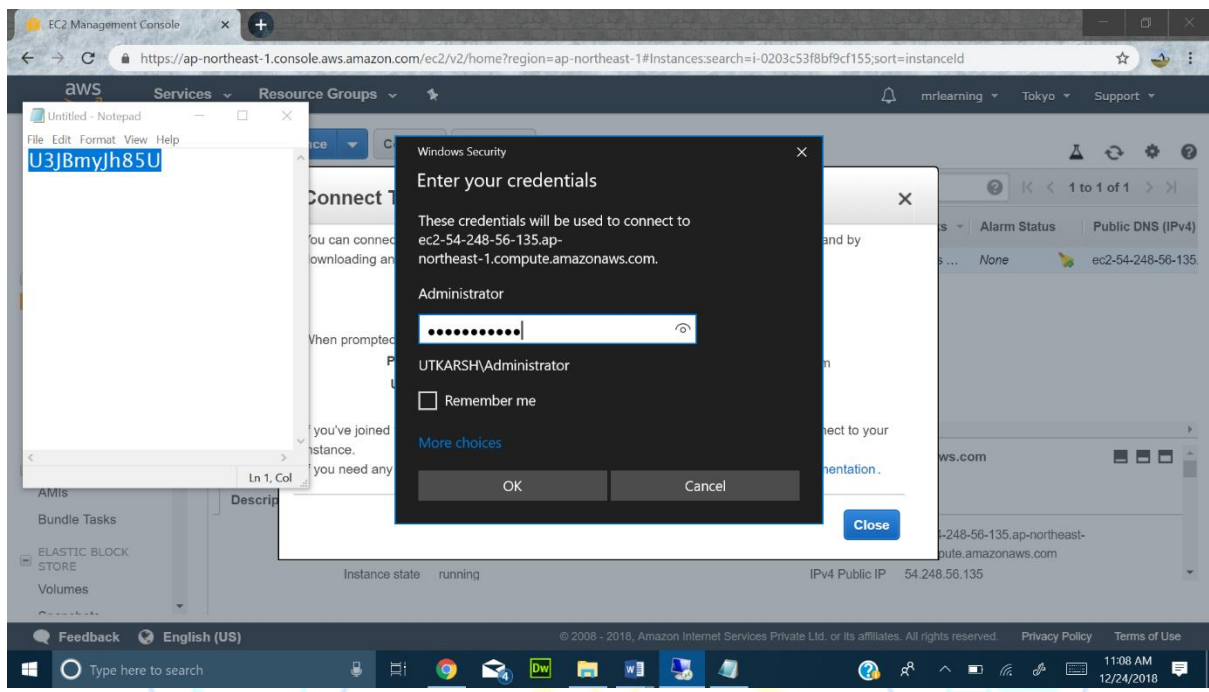
Public DNS	ec2-54-248-56-135.compute-1.amazonaws.com
User name	Administrator
Password	U3JEmyJh85U

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

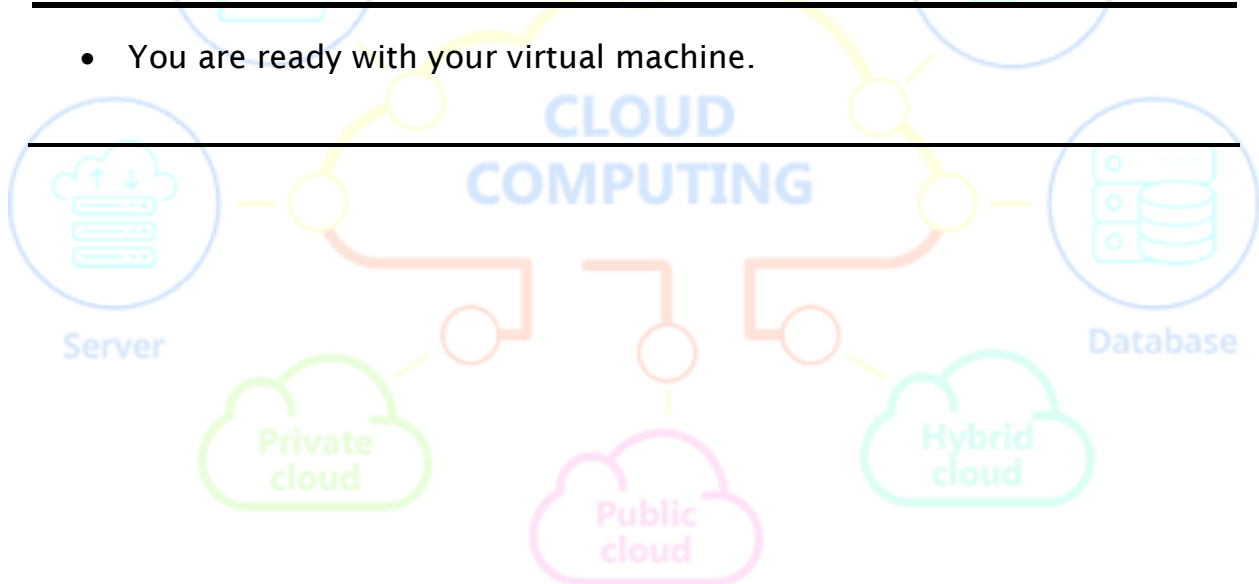
If you need any assistance connecting to your instance, please see our [connection documentation](#).

[Close](#)

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

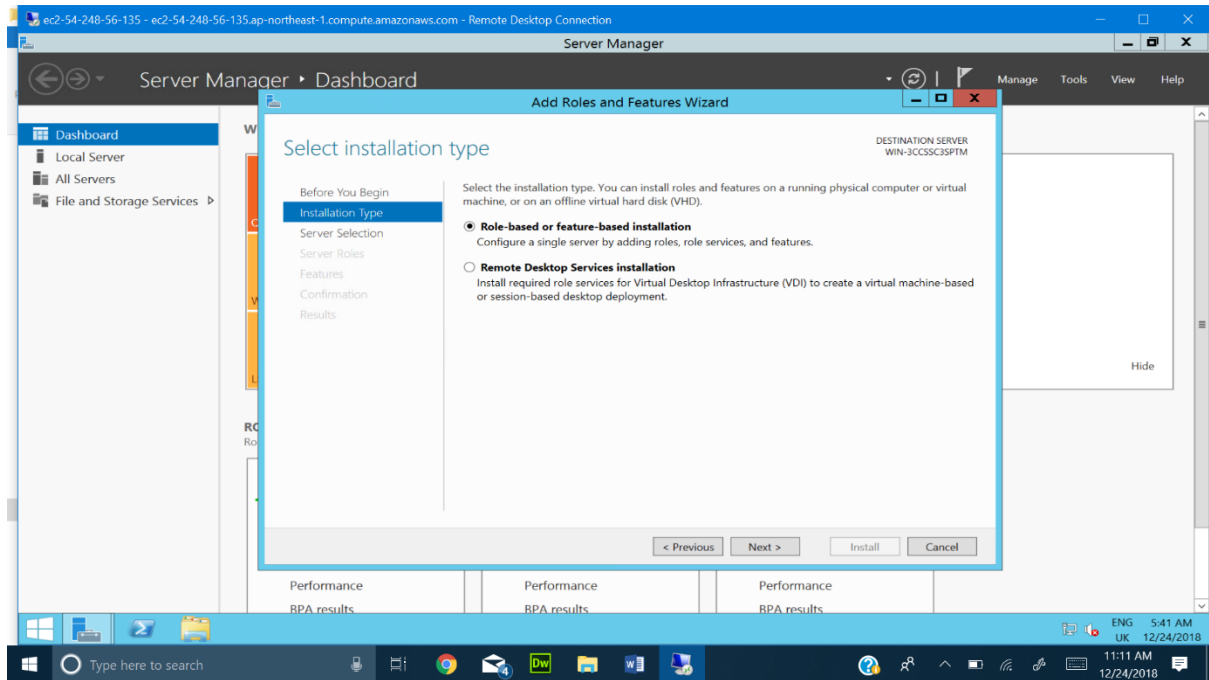


- You are ready with your virtual machine.

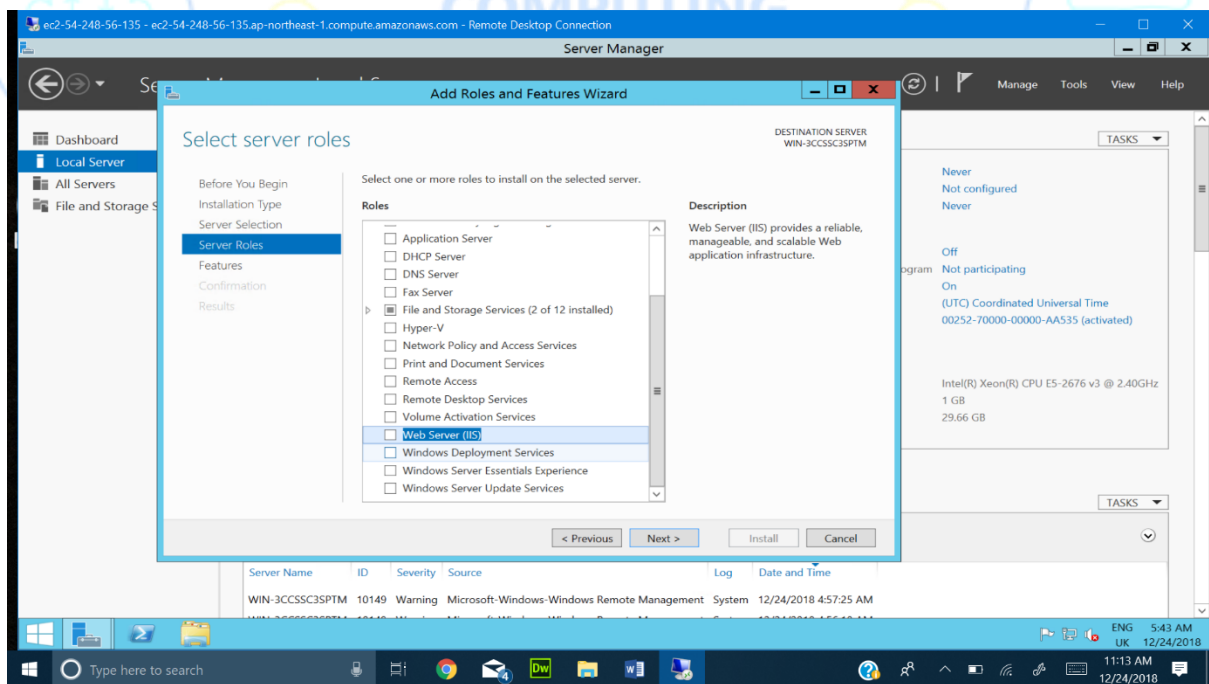


## 2.INSTALL WEB SERVER

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

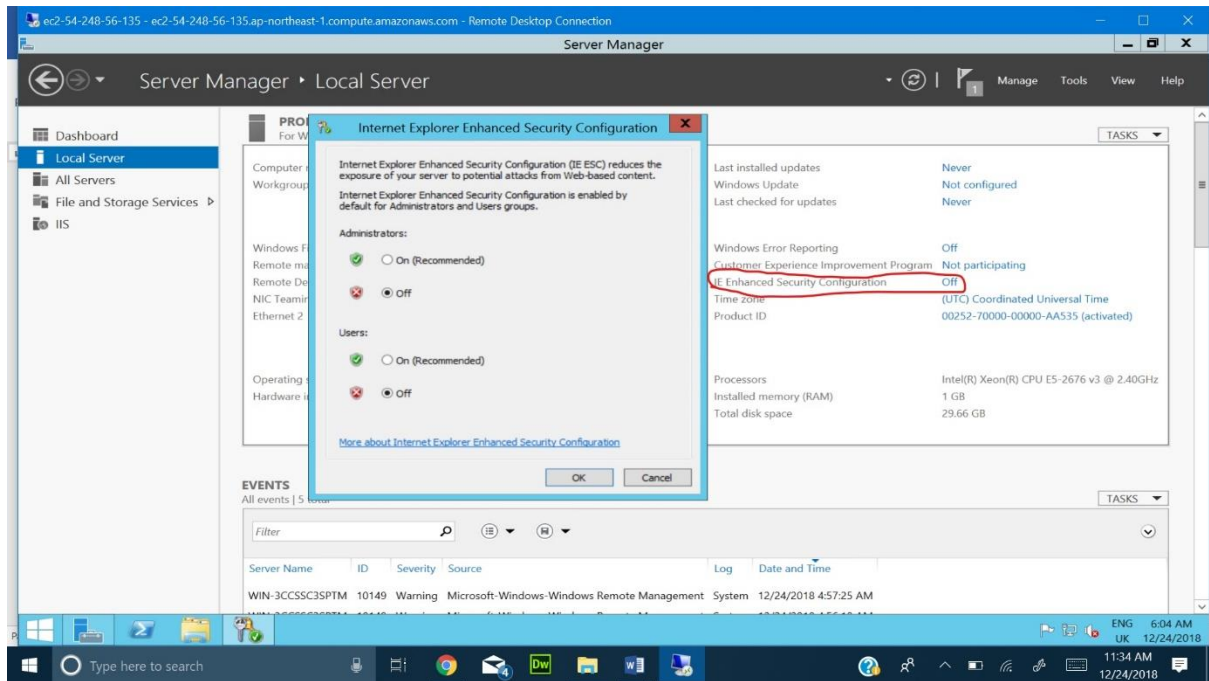


- Proceed to Server Roles and Select Web Server (IIS).
- Proceed and install this service.

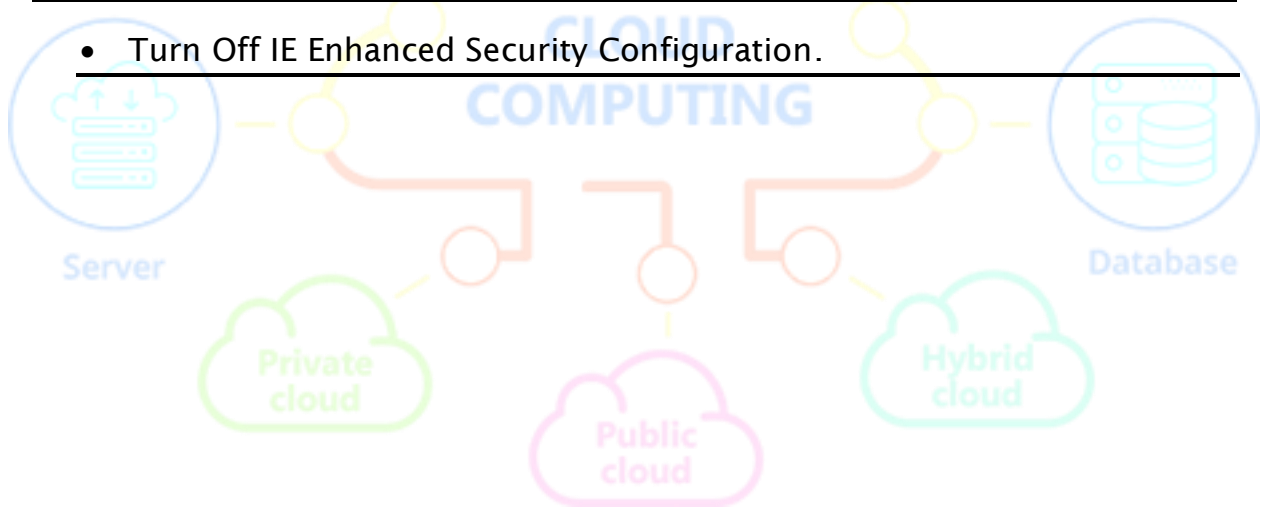




### 3. TURN OFF IE ENHANCED SECURITY CONFIGURATION



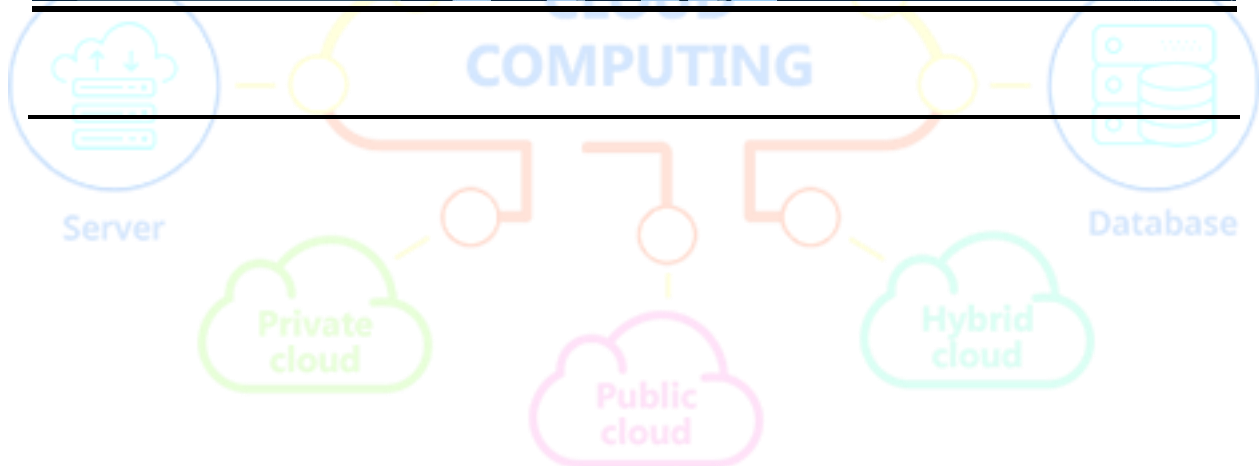
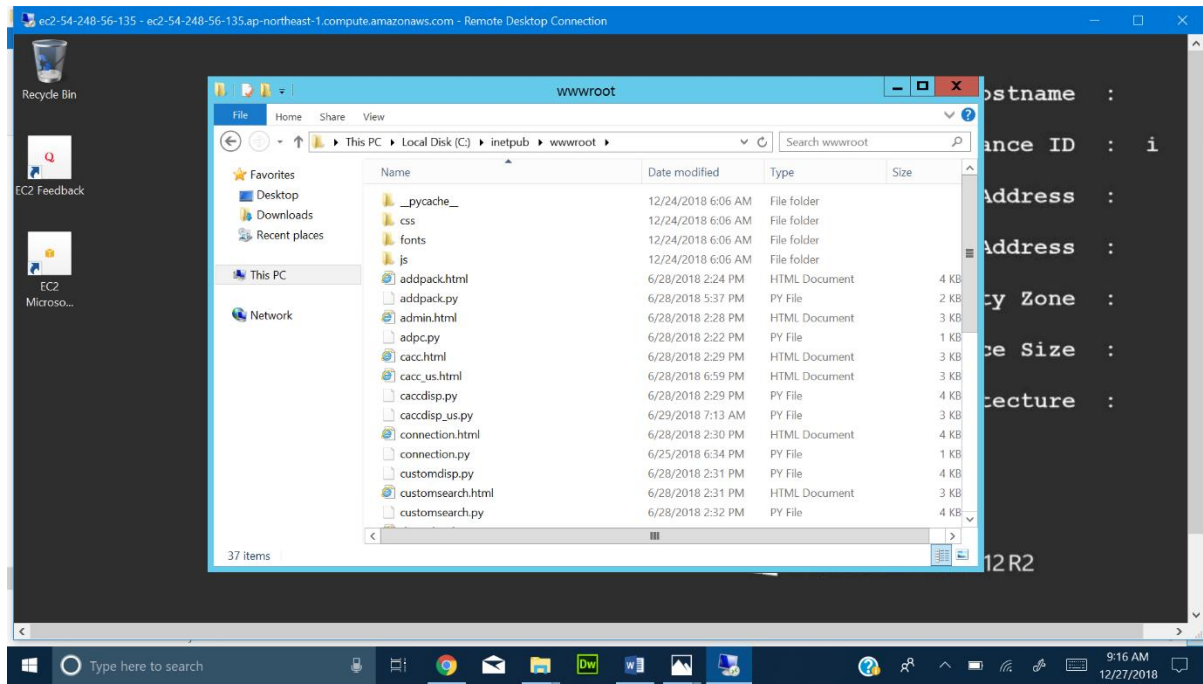
- Turn Off IE Enhanced Security Configuration.





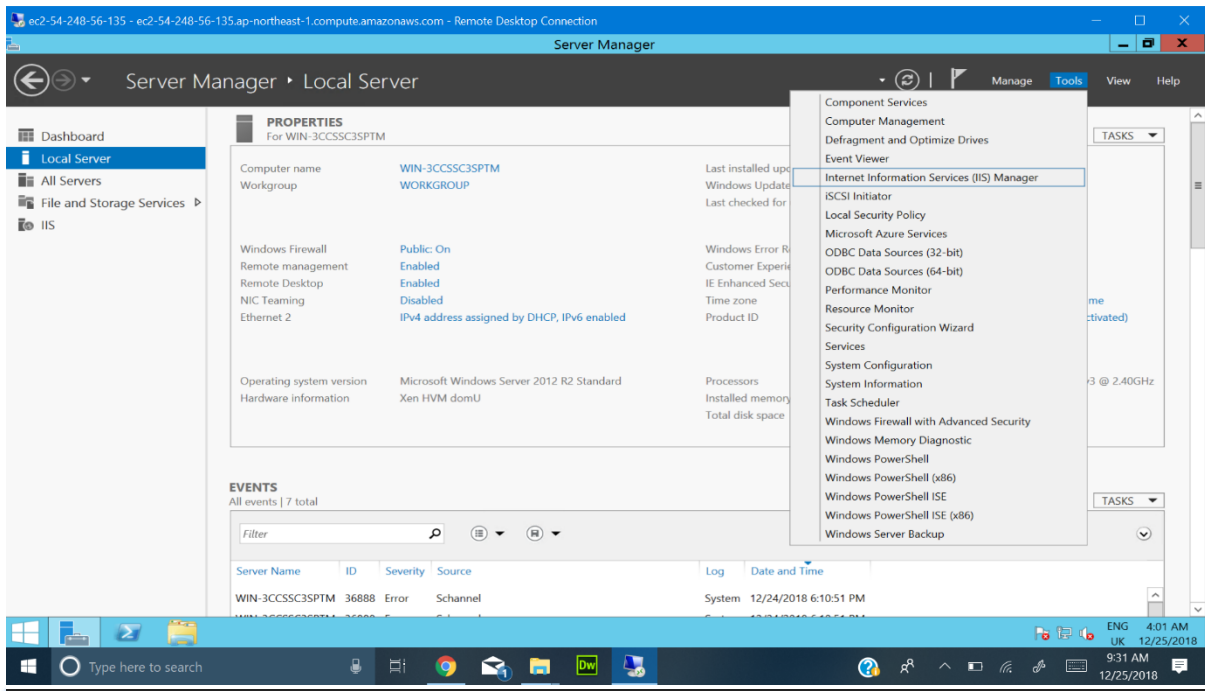
## 4. LOCATE THE DEFAULT WEB-SERVER DIRECTORY

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

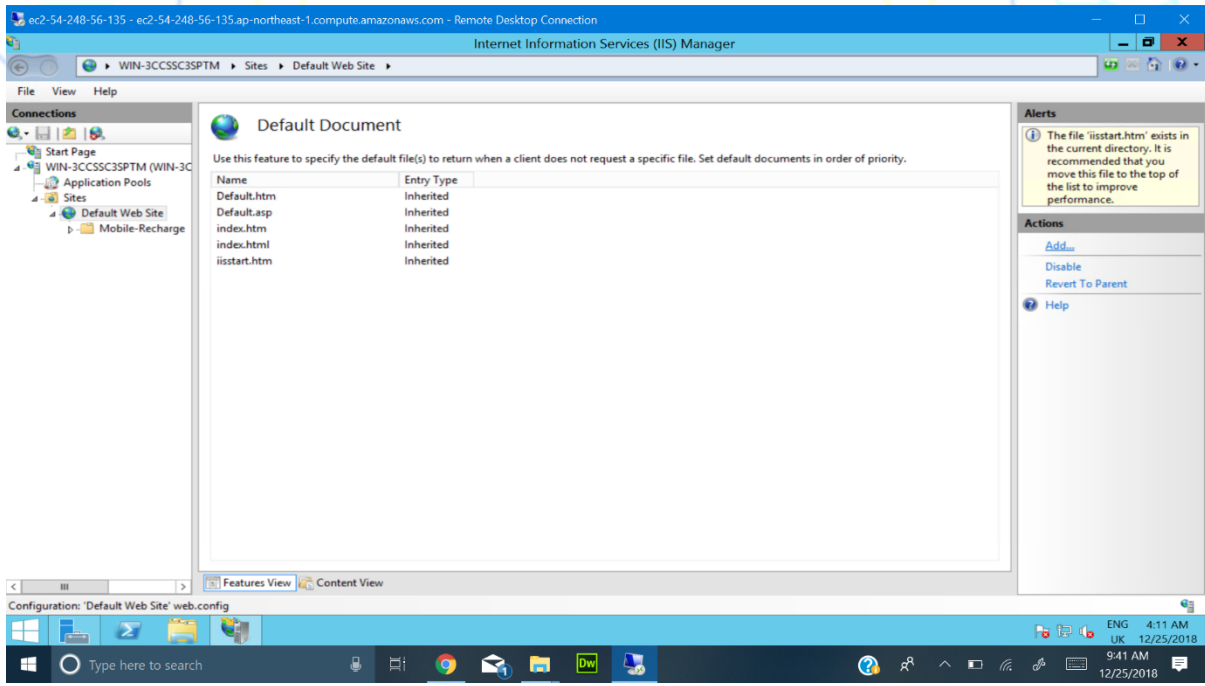


## 5.CONFIGURE THE DEFAULT WEBSITE FROM IIS MANAGER

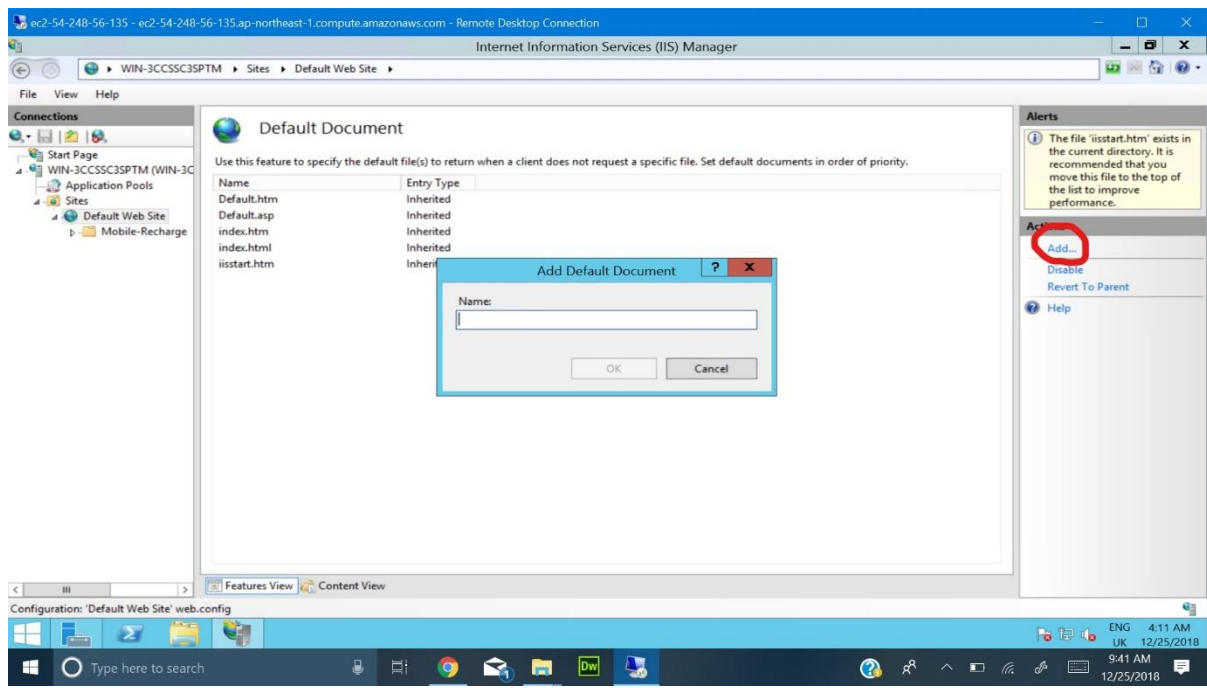
- Open IIS Manager



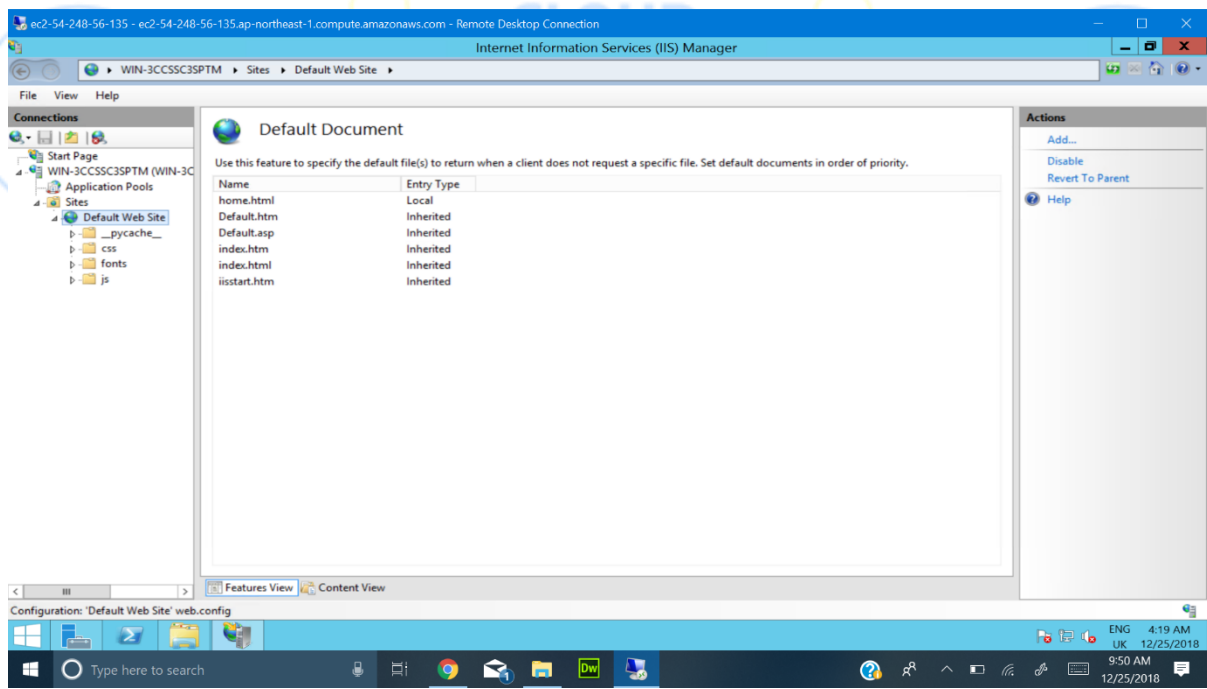
- Go to Default Web Site as shown on the left side



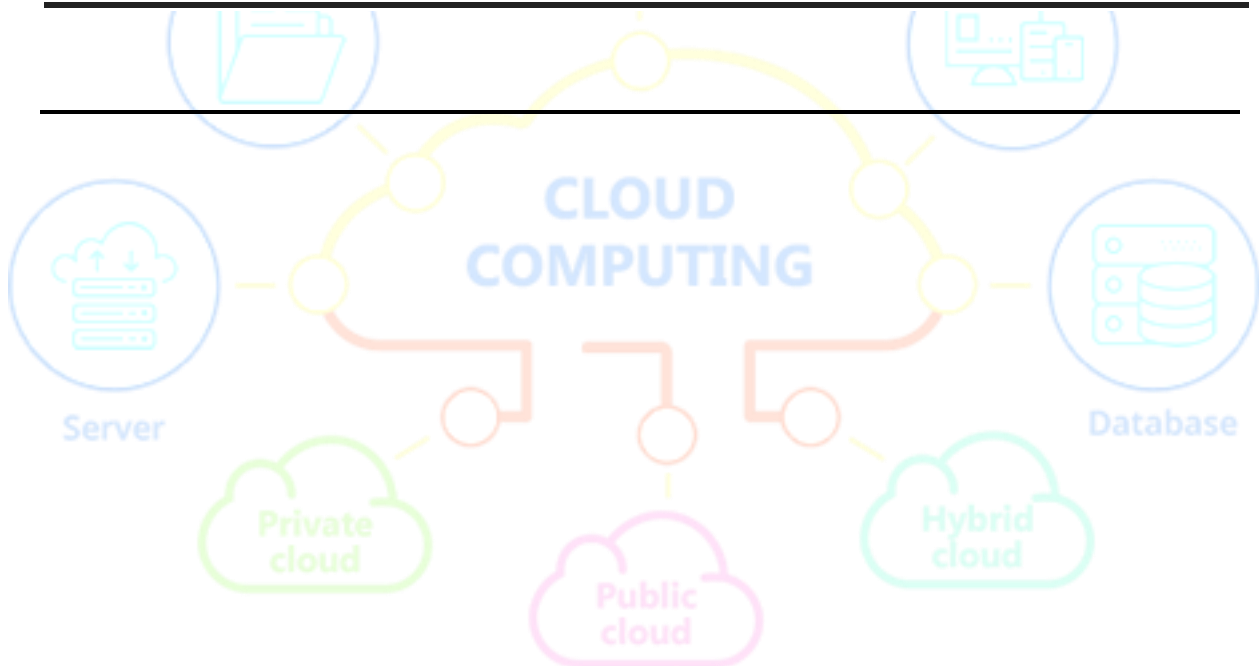
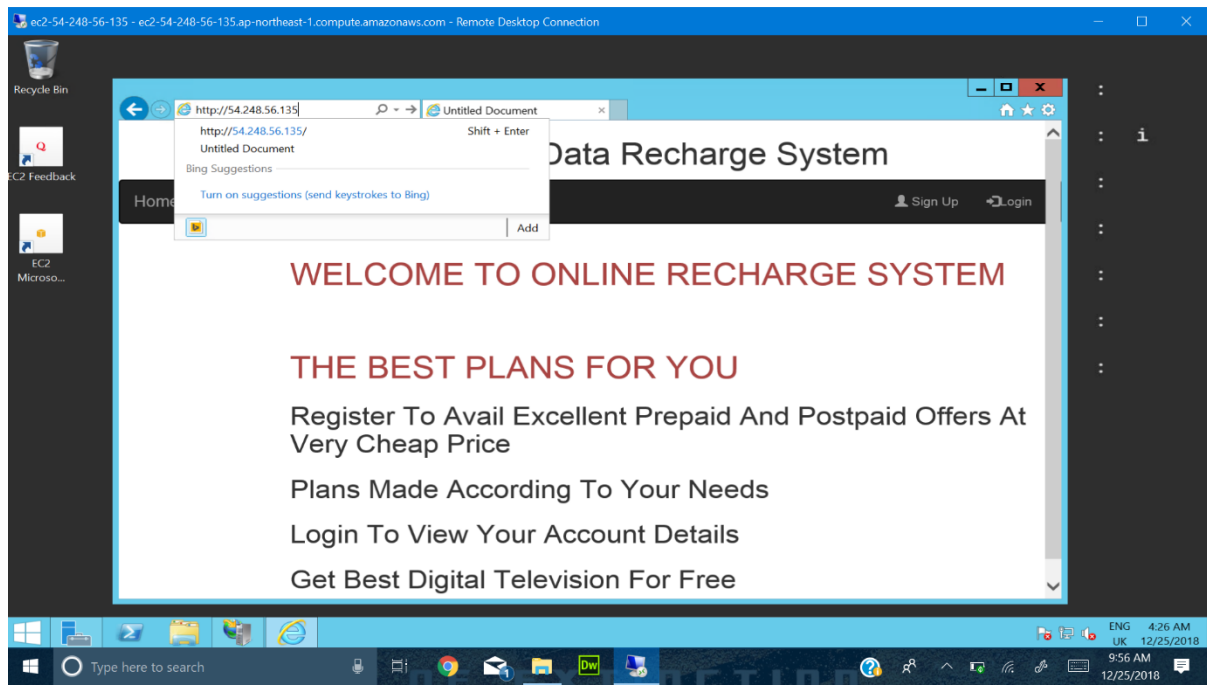
- Click on Add
- Enter the full name with extension of your default website
- 



- 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.

