



Department Of Computer Science

Cloud Computing and Data Security (COMP 4381)
Assignment 1 report

Instructor: Dr. Ruba Awadallah

Section NO. 2

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Username: 1201822

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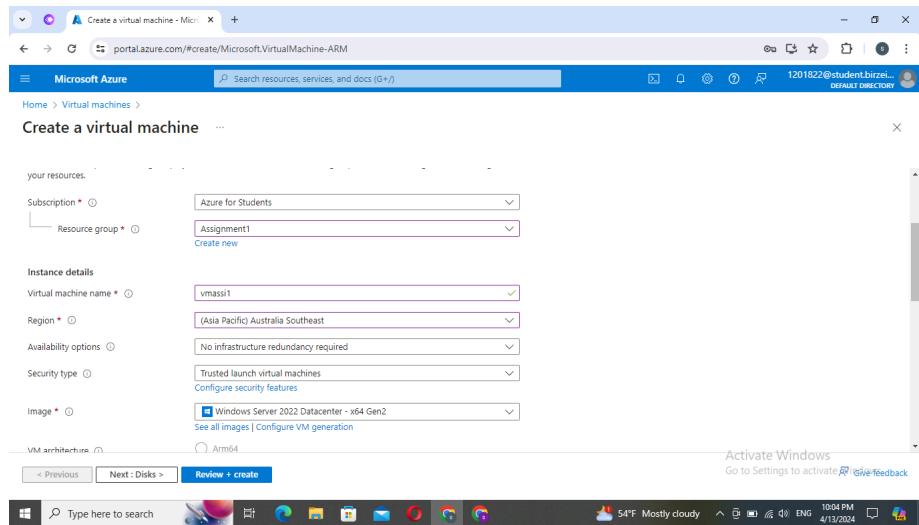
Password: 1201822@SajaAlkhilili

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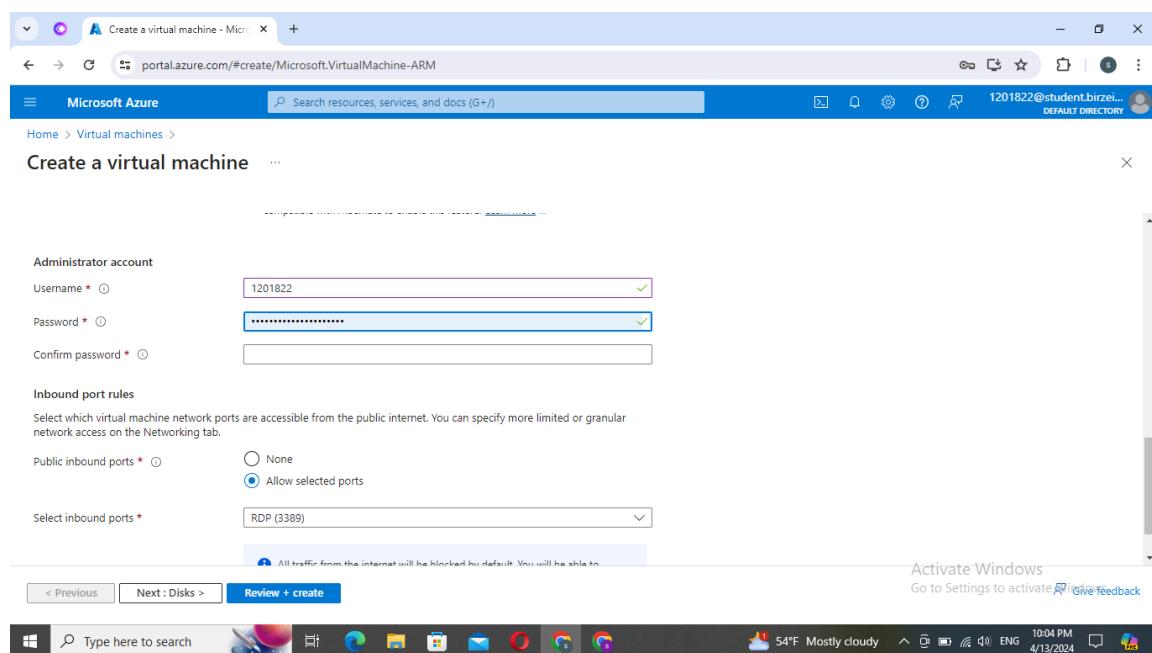
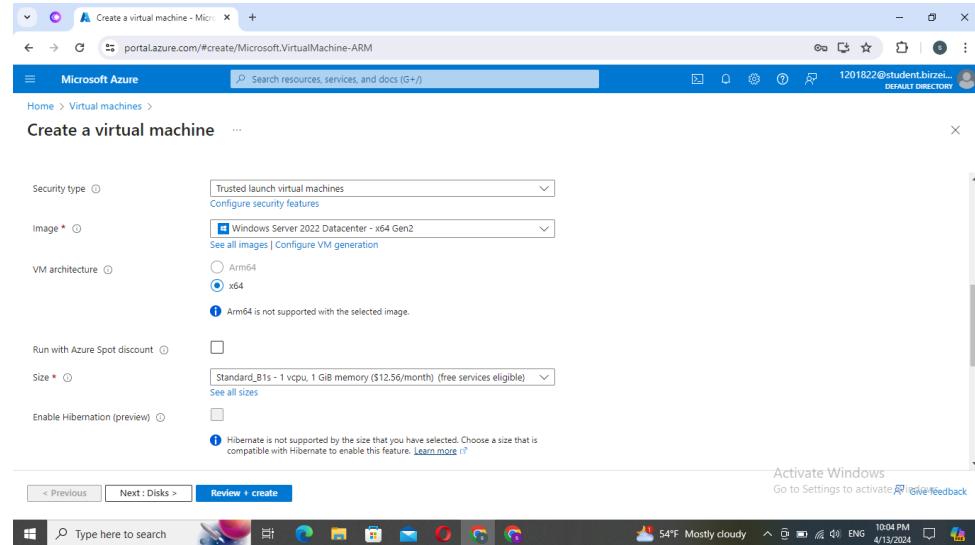
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1. Create a Virtual Machine (VM):

Initially, I chose the Azure for Students subscription type. Next, I created a new group called Assignment1 and chose Australia Southeast (AUS) as my region. Here, I chose the Windows Server 2022 Datacenter Azure image.



Then I Selected here the size of Virtual Machine Standard_B1s (free services eligible) .



The Virtual Machine is done:

The screenshot shows the Azure portal interface for a virtual machine named SS1. The top navigation bar includes 'Search resources, services, and docs (G+)', a user icon, and '1201822@student'. Below the search bar, there are several action buttons: Connect, Start, Stop, Hibernate (preview), Capture, Delete, Refresh, Open in mobile, Feedback, and a copy icon. A dropdown menu is open, showing options like 'Connect', 'Start', 'Restart', etc.

Essentials

Setting	Value
Resource group (move)	: Assignment1
Status	: Running
Location	: Australia East (Zone 1)
Subscription (move)	: Azure for Students
Subscription ID	: d6b68d0d-4b8d-4647-b682-6adaacdd31ef
Availability zone	: 1
Tags (edit)	: Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

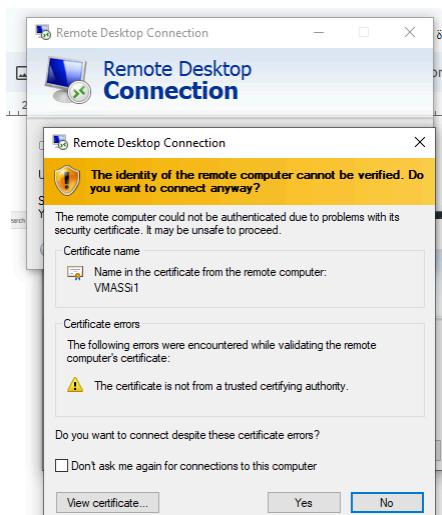
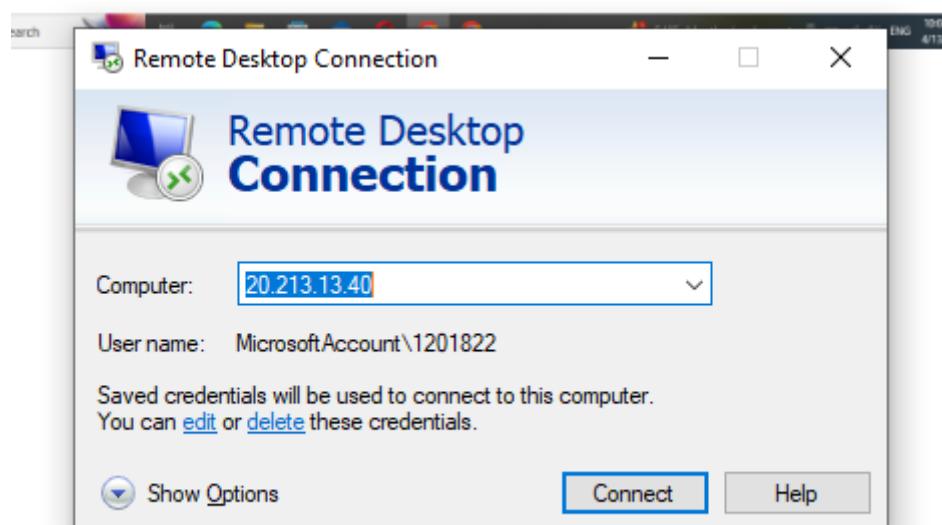
Setting	Value
Computer name	VMASS1
Operating system	Windows (Windows Server 2022 Datacenter)
Image publisher	MicrosoftWindowsServer
Image offer	WindowsServer
Image plan	2022-datacenter-g2

Networking

Setting	Value
Public IP address	20.213.13.40 (Network interface vmass150)
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	vmassignment1-vnet/default

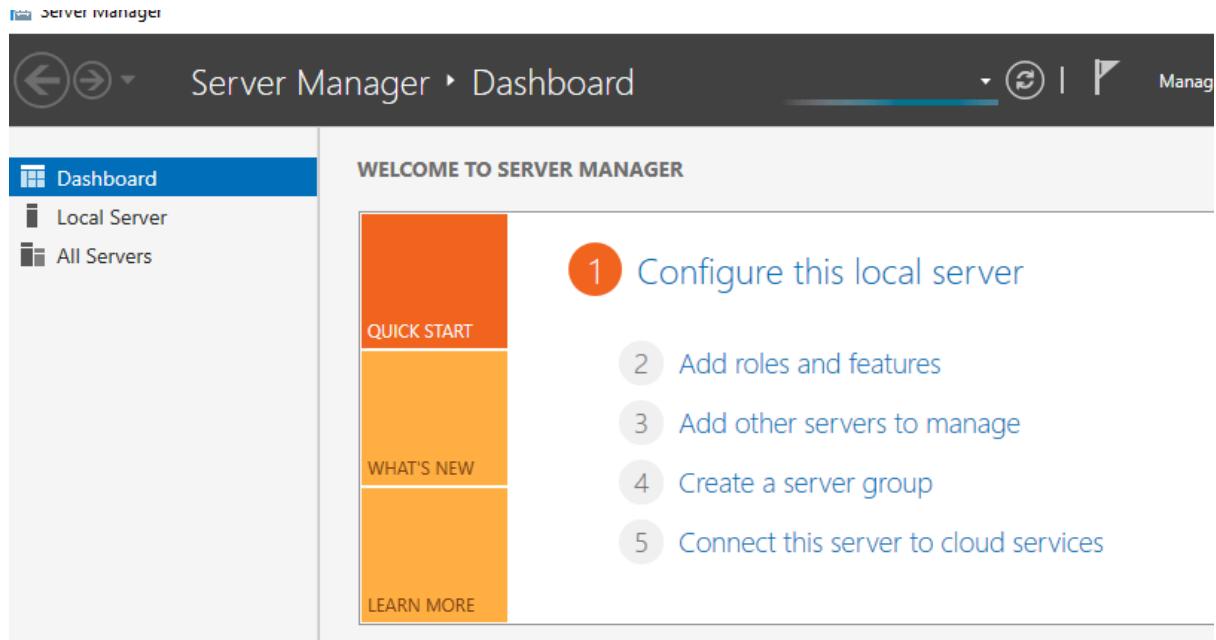
2. Connect to your VM:

I used Remote Desktop Connection(using window+R : and write mstsc) to connect to Virtual Machine Using (Public IP):

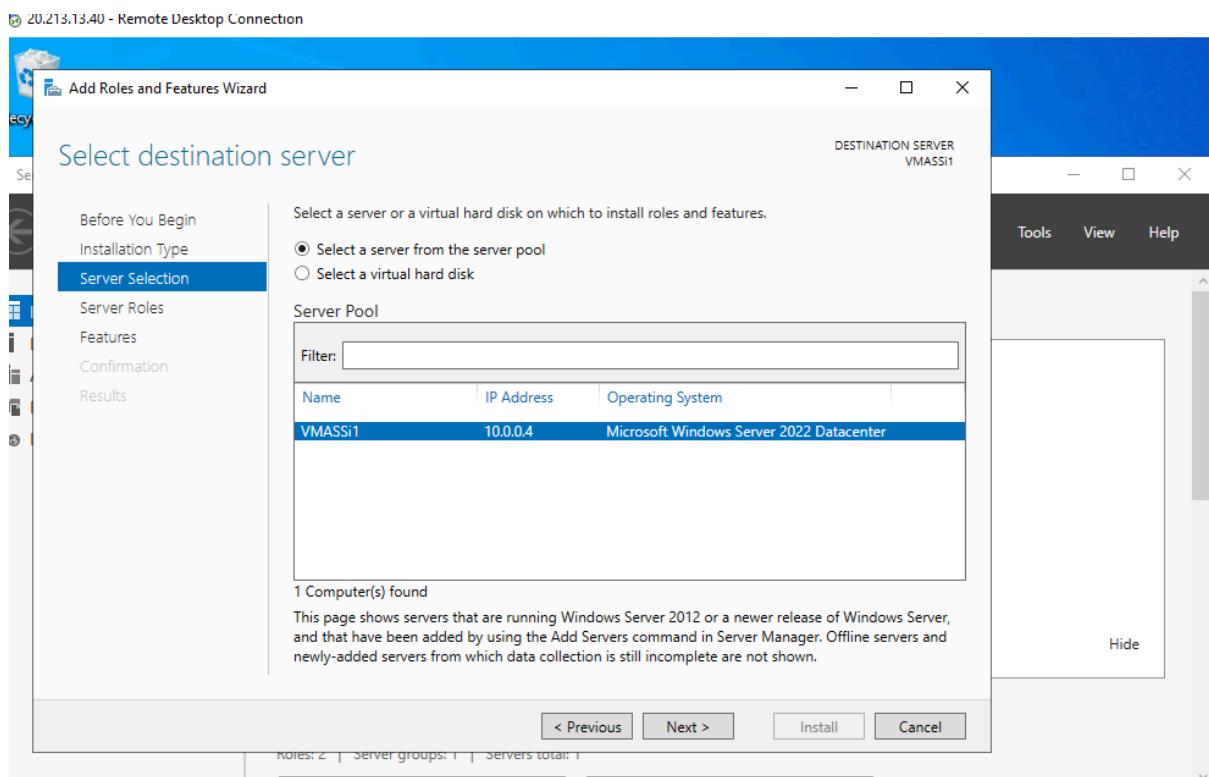


3. Install a Web Server:

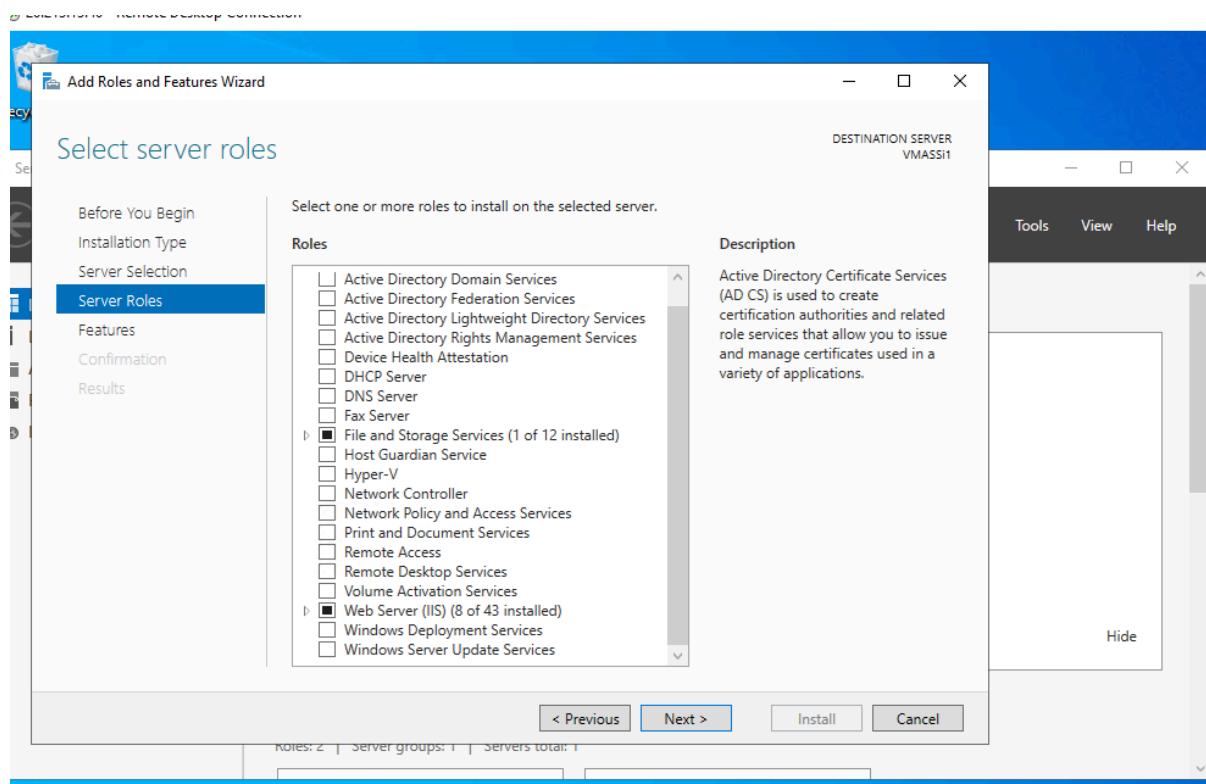
first step select Add roles and features :



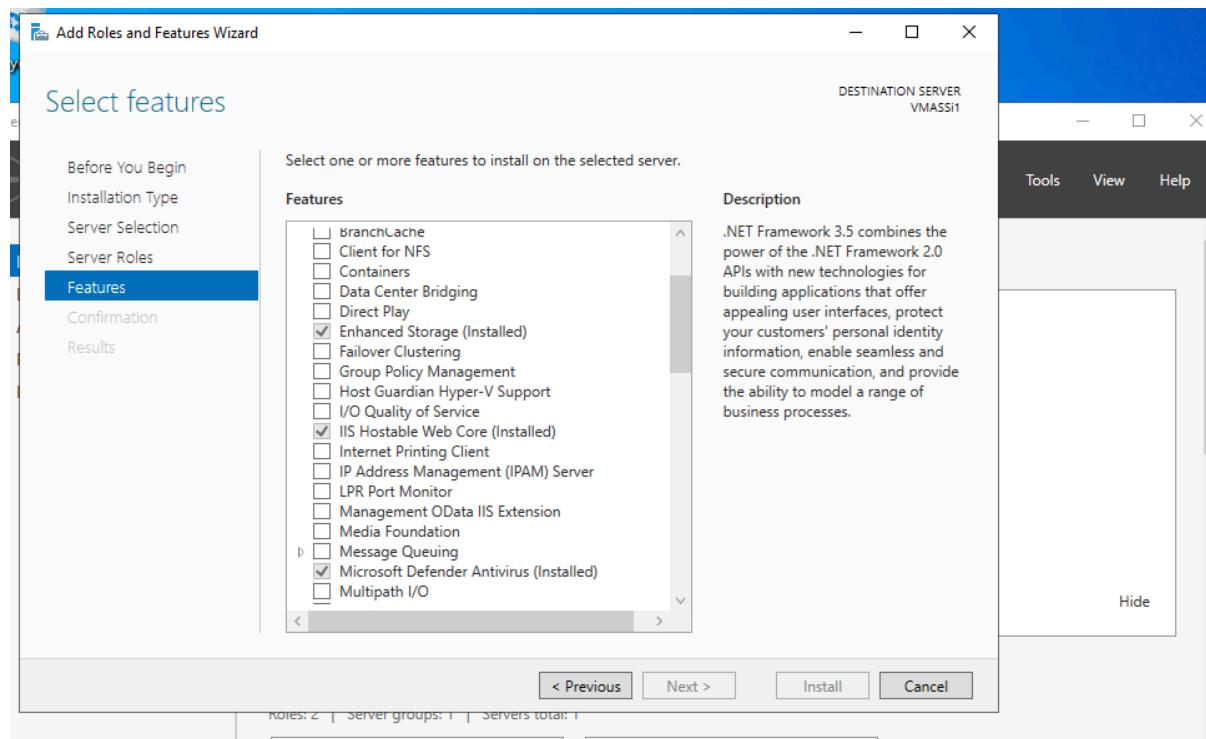
Then select the server pool:

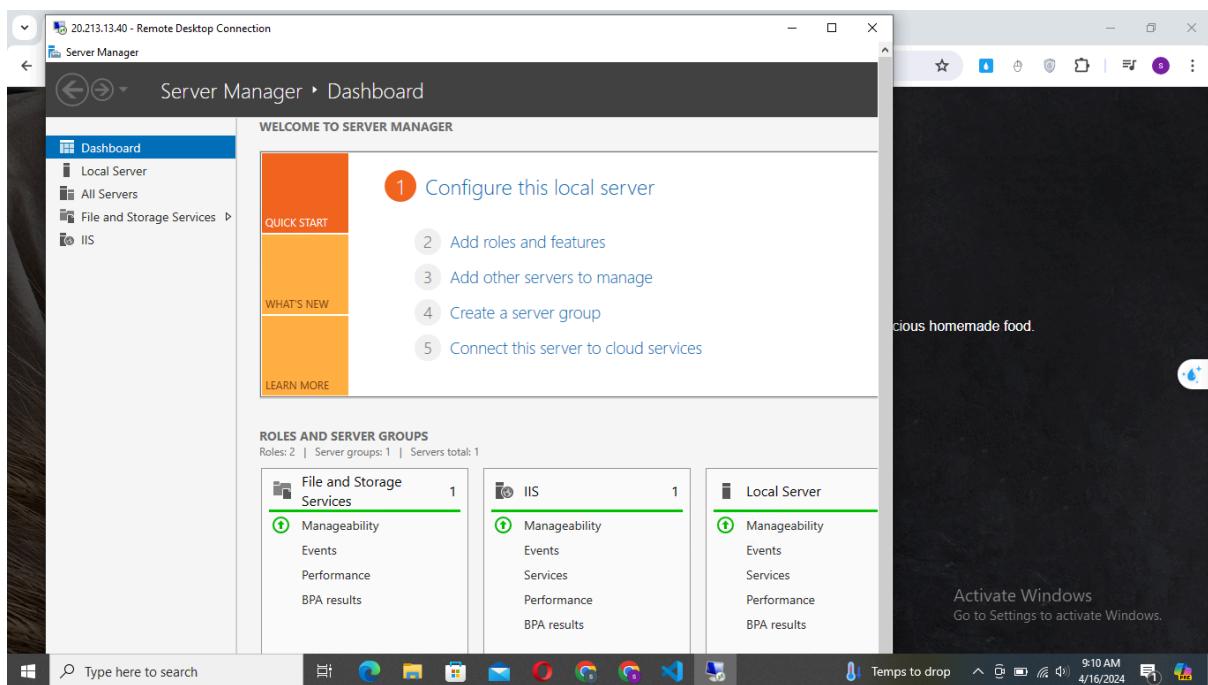


select web server (IIS):



select IIS Hostable web core and Then Install:





Add new inbound port rule:

A screenshot of the Windows Admin Center Network settings page for a virtual machine named VMASSi1. The left sidebar includes options like Search, Connect, Bastion, Windows Admin Center, Networking (Network settings selected), Load balancing, Application security groups, Network manager, Settings (Disks, Extensions + applications, Operating system), and Monitoring. The main pane displays a table of inbound port rules. The table has columns: Priority ↑, Name, Port, Protocol, Source, Destination, and Action. There are five inbound port rules listed: Rule 300 (Name: RDP, Port: 3389, Protocol: TCP, Action: Allow); Rule 310 (Name: ass, Port: 80, Protocol: TCP, Action: Allow); Rule 65000 (Name: AllowVnetInbound, Port: Any, Protocol: Any, Action: Allow); Rule 65001 (Name: AllowAzureLoadBalancerInbound, Port: Any, Protocol: Any, Action: Allow); and Rule 65500 (Name: DenyAllInbound, Port: Any, Protocol: Any, Action: Deny). A message at the top says "This is a new experience. Please provide feedback".

4. Create a Simple Webpage:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title> Saja Bakery Web Page</title>
    <style>
```

```
body {
    margin: 0;
    font-family: Arial, sans-serif;
    color: white;
    background: linear-gradient(rgba(0, 0, 0, 0.7), rgba(0, 0, 0, 0.7)), url('tasty.jpg') no-repeat center center fixed;
    background-size: cover;
}

.navbar ul {
    list-style-type: none;
    padding: 0;
    margin: 0;
    overflow: hidden;
    background-color: rgba(0, 0, 0, 0.5);
}

.navbar li {
    float: left;
}

.navbar li a {
    display: block;
    color: white;
    text-align: center;
}
```

```
.navbar li a:after {
    content: '';
    display: block;
    height: 3px;
    width: 0;
    background: #f5fafa;
    position: absolute;
    left: 0;
    bottom: 0;
    transition: width 0.5s ease;
}
```

```
<ul>
    <li><a href="#about">About Us</a></li>
    <li><a href="#products">Our Products</a></li>
    <li><a href="#contact">Contact Us</a></li>
</ul>
```

```
<div class="content">
    <h1>Welcome to Saja Bakery!</h1>
    <p>Delighting your taste buds since 2024</p>
    <section>
        <h2>About Us</h2>
        <p>Baking is our passion here at Saja Bakery.<br> We take great care and love in creating each delight, using only the best ingre
```

```
<section>
    <h2>Our Products</h2>
    <ul>
        <li>Cakes</li>
        <li>Cookies</li>
        <li>Bread</li>
        <li>Pastries</li>
    </ul>
</section>
```

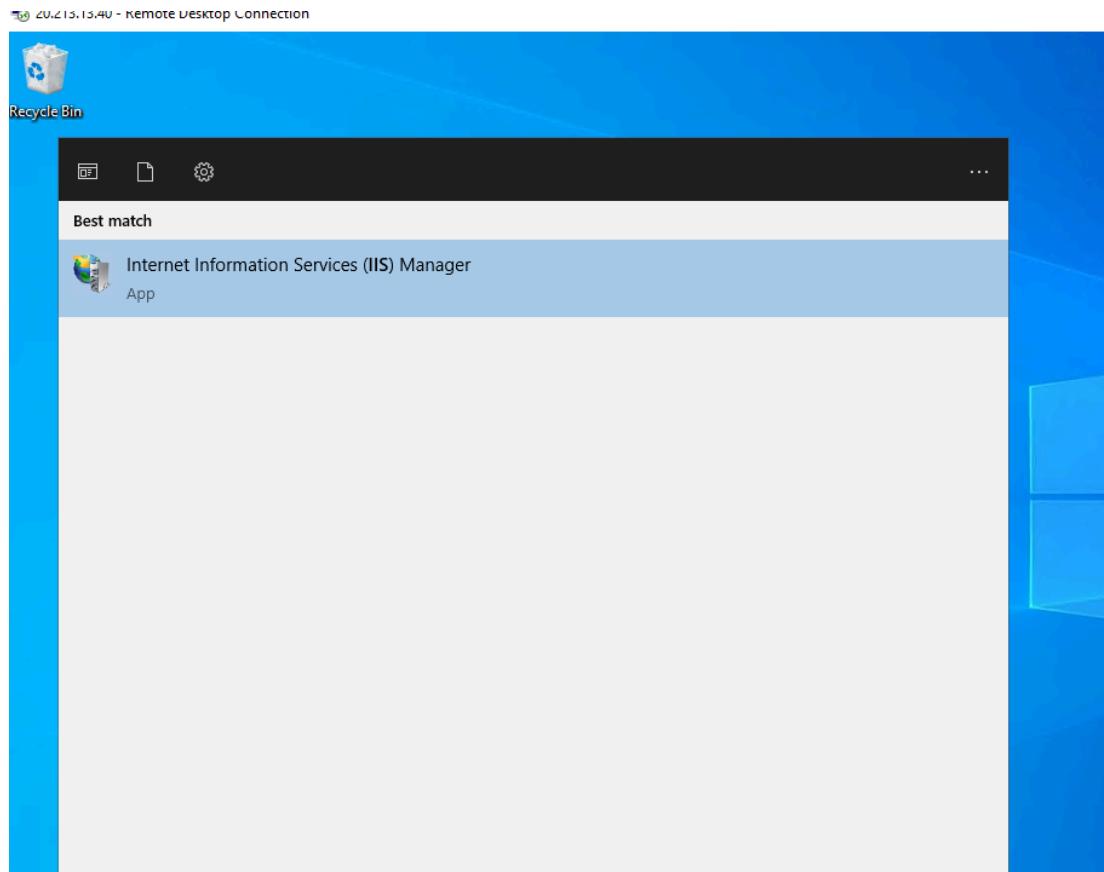


The screenshot shows a Microsoft Edge browser window with the following details:

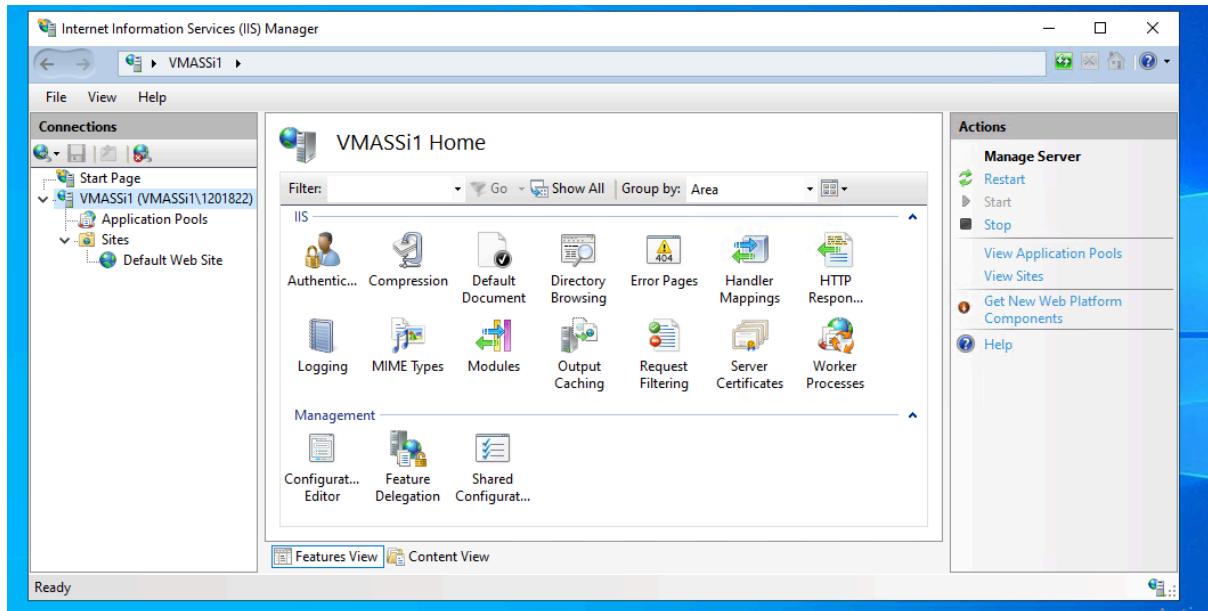
- Title Bar:** Assignment1cloud
- Address Bar:** assignment1cloud.html
- Page Content:**
 - Header:** Welcome to Saja Bakery!
 - Section:** Delighting your taste buds since 2024
 - Section:** About Us
 - Text:** Baking is our passion here at Saja Bakery. We take great care and love in creating each delight, using only the best ingredients.
 - Section:** Our Products
 - Cakes
 - Cookies
 - Bread
 - Pastries
 - Section:** Contact Us
 - Visit us at: Al-Tireh Main Street, opposite Nelson Mandela Circle
 - Email: contact@sajabakery.com
 - Phone: (324) 787-5468
- Right Panel:** A sidebar with various icons and a search bar labeled "Assignment1cloud".
- Bottom Bar:** Includes a search bar, pinned tabs, and system status indicators.

5. Configure the Web Server:

Search the IIS Manager to configure the web server:

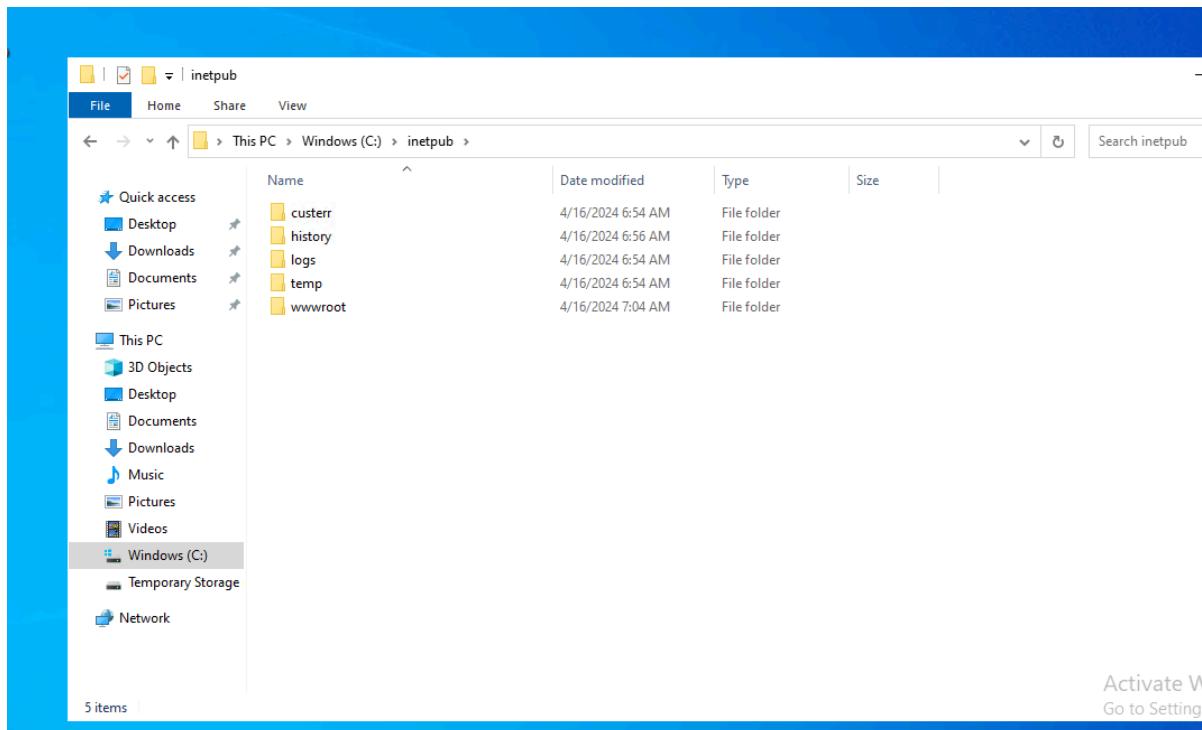


Next, after logging into IIS Manager, we were able to access the local host machine and view the default web page.

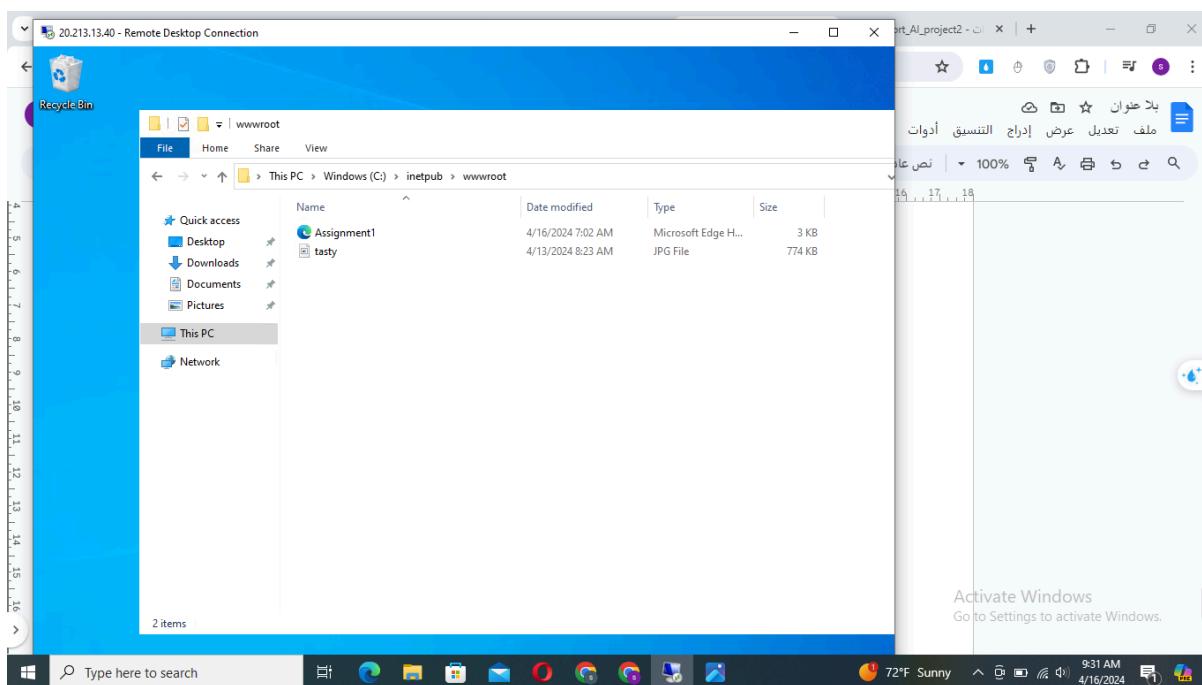


Add HTML page to IIS:

Open the C drive first, then choose inetpub and wwwroot:



put our Html File and picture:

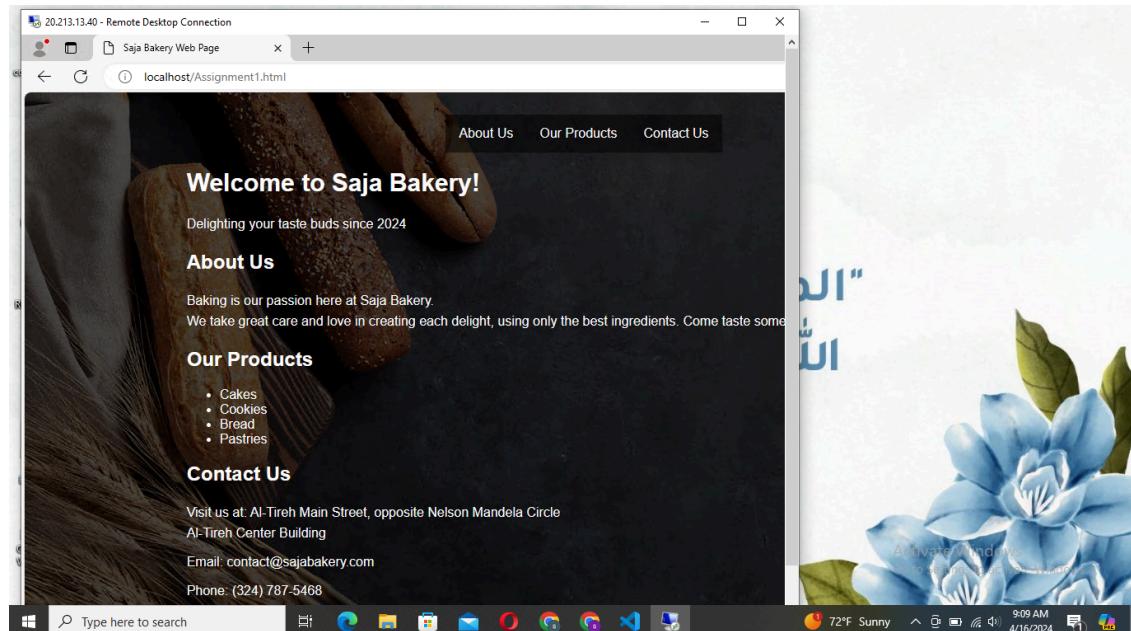


6. Test your Website:

Public IP address:

20.213.13.40

Browse The Html Page in Virtual Machine:



Browse The Html Page using Public ID:

