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Student Name: Muna Pun

London Met ID: 23048838

College ID: NP04CP4A230233

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Submitted To: Prasant Adhikari

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I confirm that I understand my coursework needs to be submitted online via Google Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded.

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1.Introduction

Microsoft Internet Information Services (IIS) is a web server available on Windows that can host multiple websites, support various protocols, be managed locally or remotely, and provide security and logging features (O'Leary, 2019).

Hosting a Windows Server 2022 is a fantastic way to get your online presence up and running. It provides the power and security to handle anything from a personal blog to large business websites. One of its components is the Internet Information Services, which is a built-in web server that will ease the management of your website, even if you are not a technology expert. The workshop goes over all the easy steps of setting up a static website right from its installation to seeing to its security and performance. Once done, you would have the skill to successfully launch and manage your website with confidence!

2. Objectives

The objectives are in the followings;

- To Discover what hosting benefits Windows Server 2022 offers.
- To Learn how to set up IIS, an important tool for hosting your Web site.
- To Find out the best ways to upload and organize your web site files like HTML and images.
- To Understand security and how to keep at least some basic protections in place for your Web site.
- To Participate in discussion and hands-on activities to reinforce your learning.
- To Know other features of IIS that may enhance your web site, such as Visitor Monitoring or URL Rewriting.

3. Required steps to host a static website on windows server 2022

Requirements: Download a template using www.free-css.com and extract it. Create a folder in C drive and copy all the extracted files in that folder.

3.1. Opening of server manager dashboard

In this step, we have to open the windows server's manager dashboard and have to select the "Add roles and features".

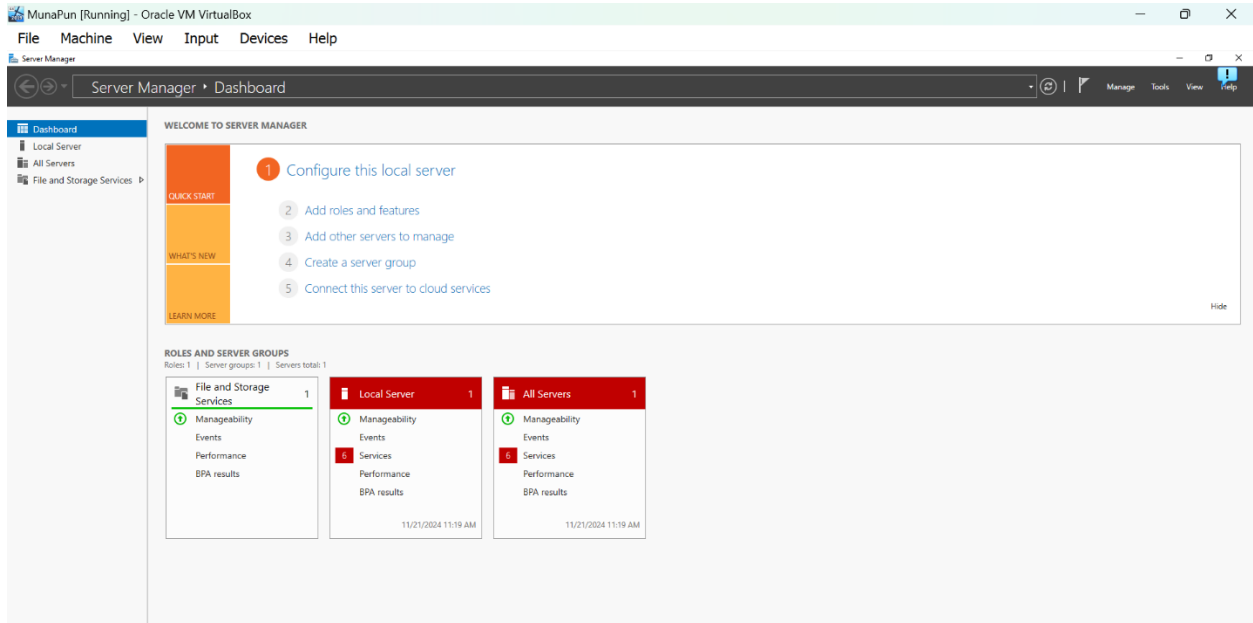


Figure 1: Selecting a add roles and features

3.2. Clicking on next button on add roles and features.

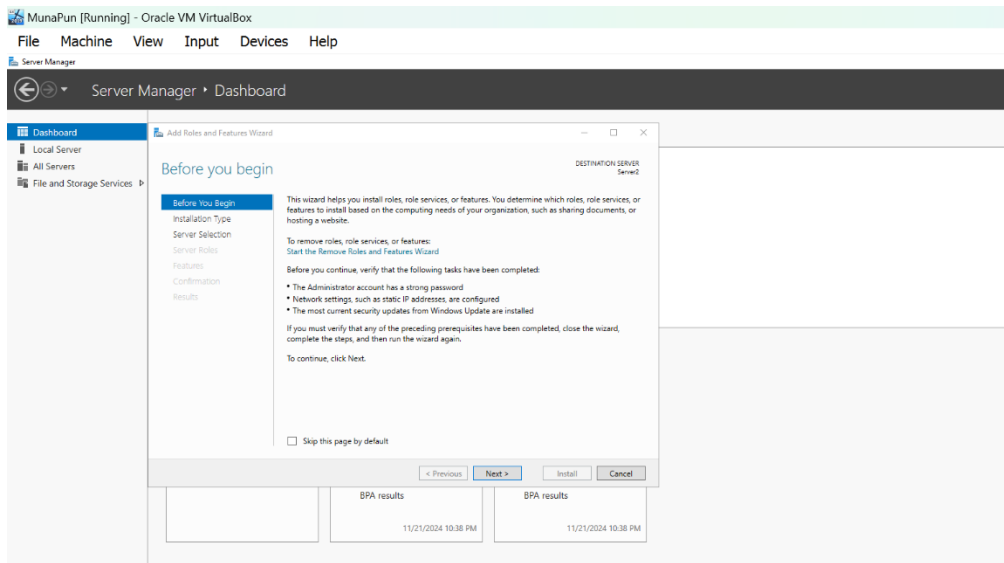


Figure 2: Clicking on next button

We have to click next button after selecting on add roles and features.

3.3. Choose “Role-based or feature-based installation”

After clicking the next button, we have to choose “Role-based or feature-based installation”.

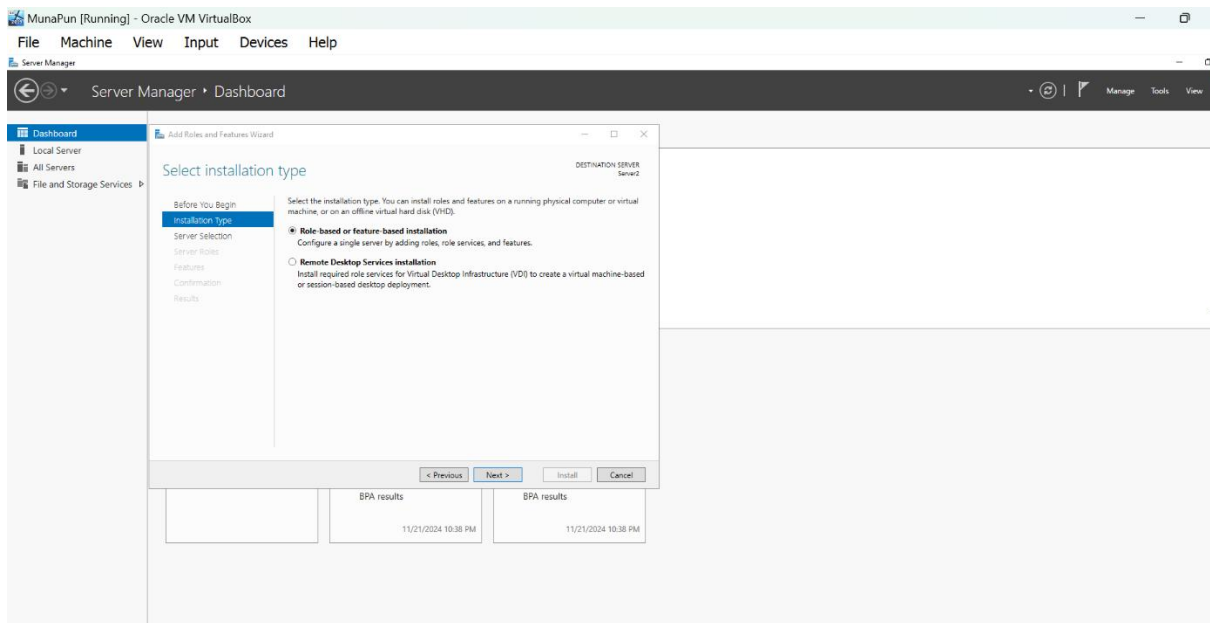


Figure 3: Choosing the role-based installation

3.4. Click on next button without changing any setting on this page

In this step, without any change we have to click on the next button.

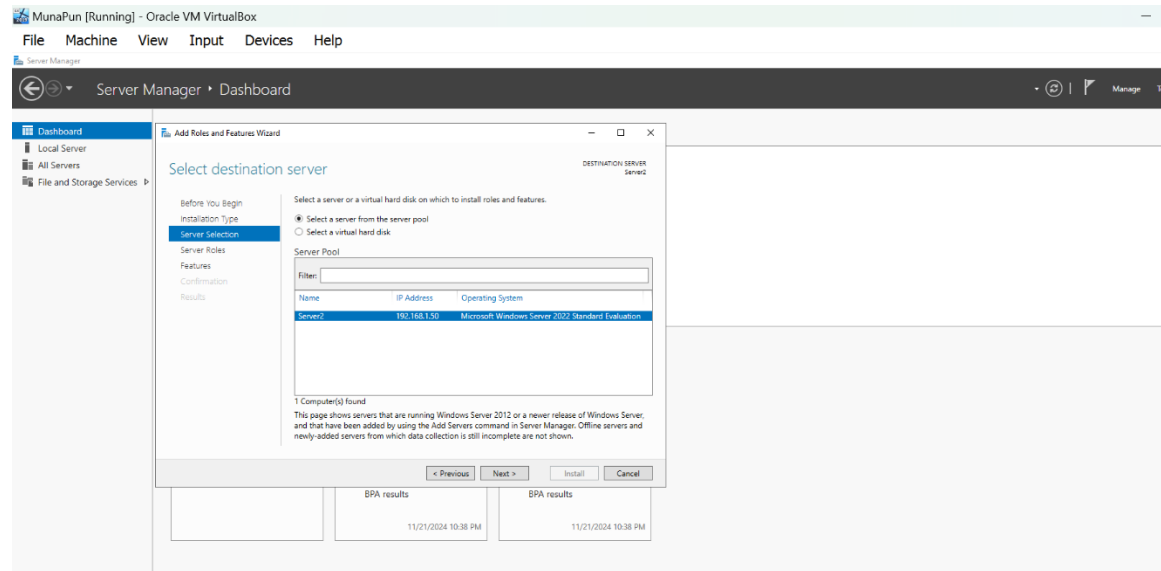


Figure 4: Clicking the next button without changing anything

3.5. Choose on “Web Server (IIS)” feature.

To host a website, we need to add a new role in server that we call it Web Server. This lets us to host web application over server.

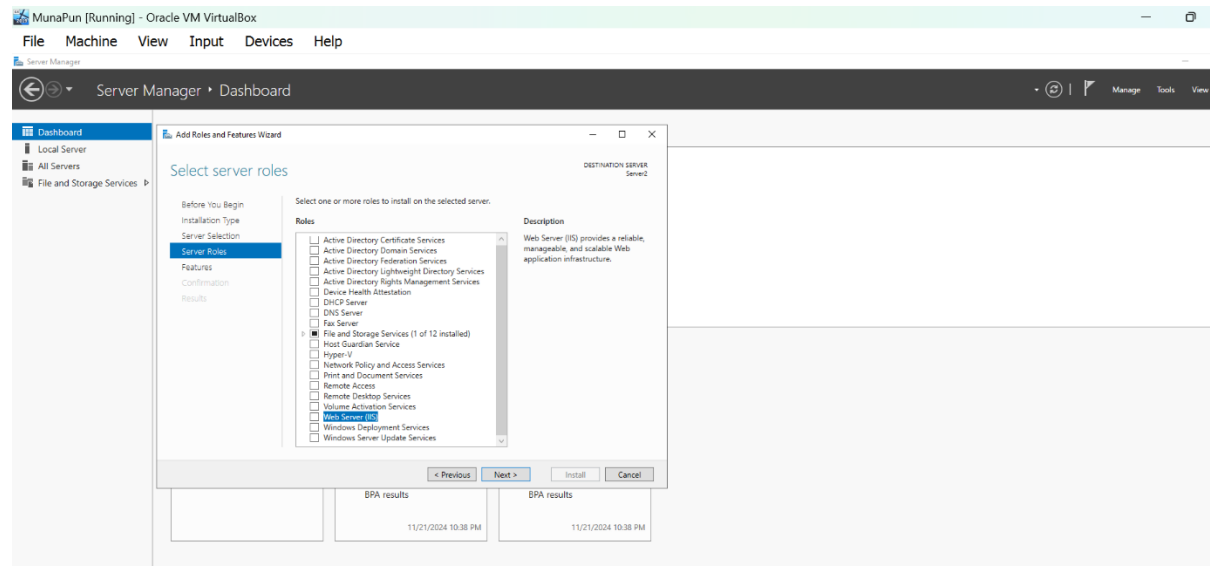


Figure 5: Choosing on “Web Server (IIS)” feature.

3.6. Click on “Add Features” button after choosing web server feature

In this step, we have to click on add feature button to continue our process.

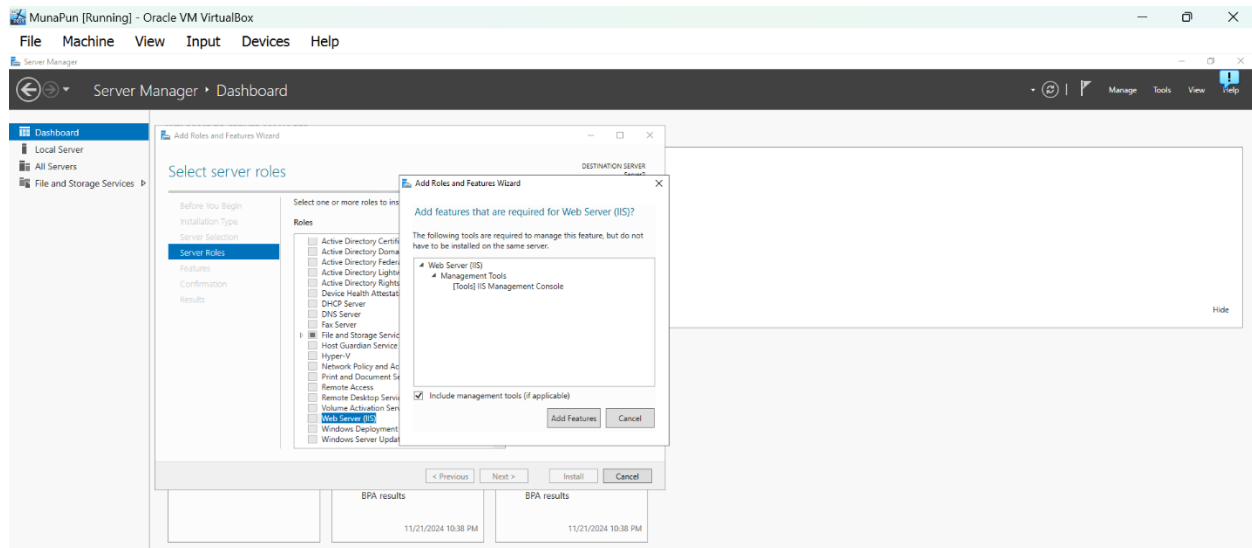


Figure 6: Clicking on the add features button

3.7. After added the web server, click on next button.

After Web server role has been added we have to click on next button.

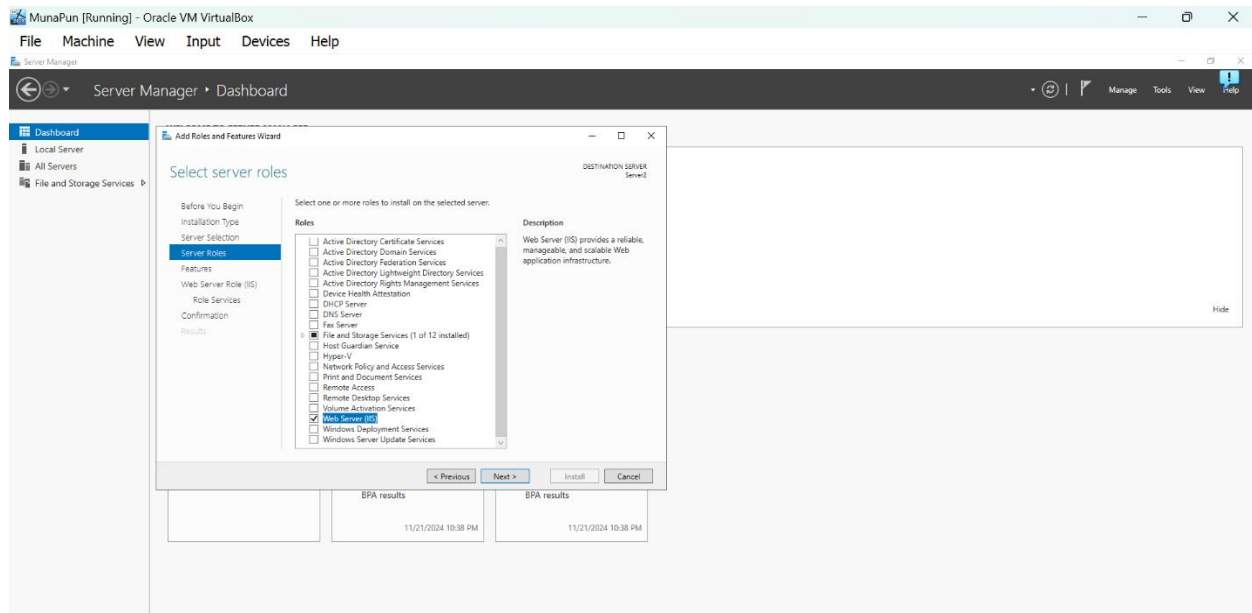


Figure 7: After added the web server have to click next

3.8. Click next leaving all default values.

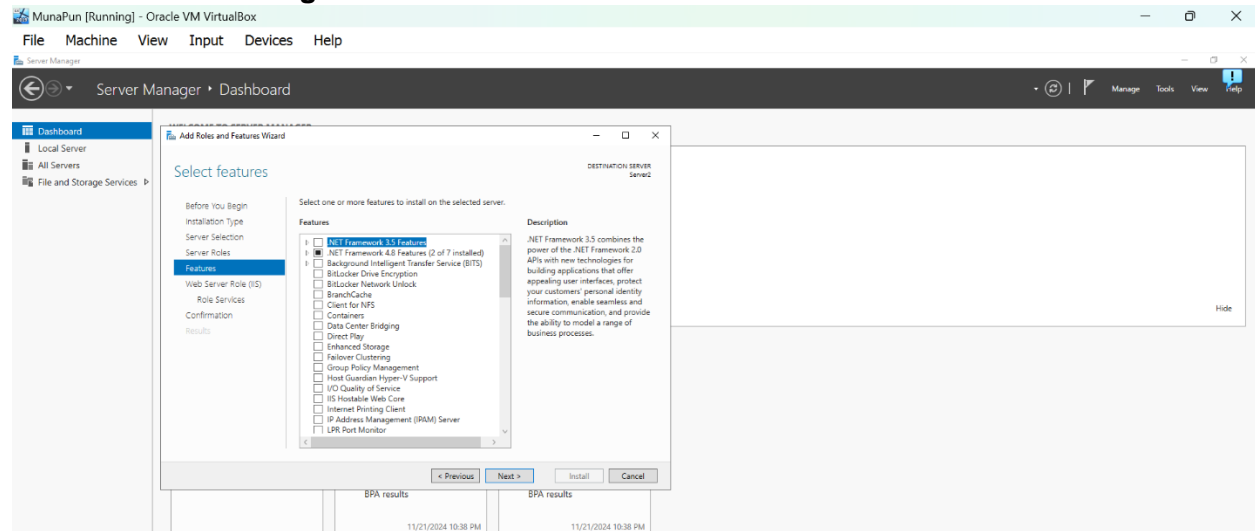


Figure 8: Selecting features and choosing the net framework

3.9. Selecting web server role and click next button

In this step, we have to select the web server role and have to click on the next button.

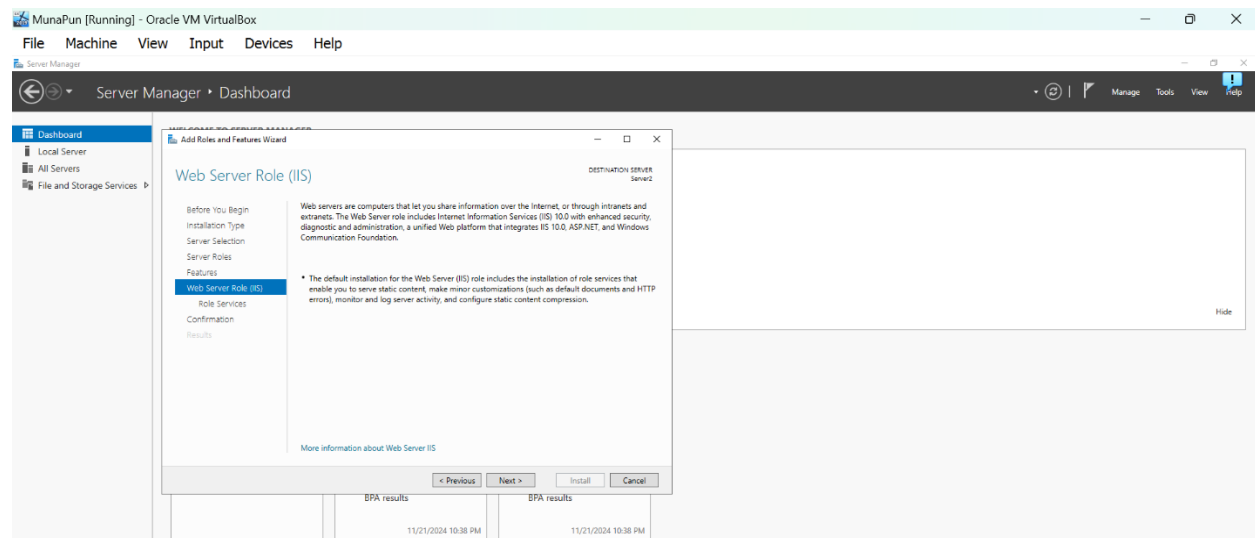


Figure 9: Choosing web server role and clicking next button

3.10. Choosing the role services and click next button without changing all value

After choosing the role services we have to click the next button without any change and hesitation.

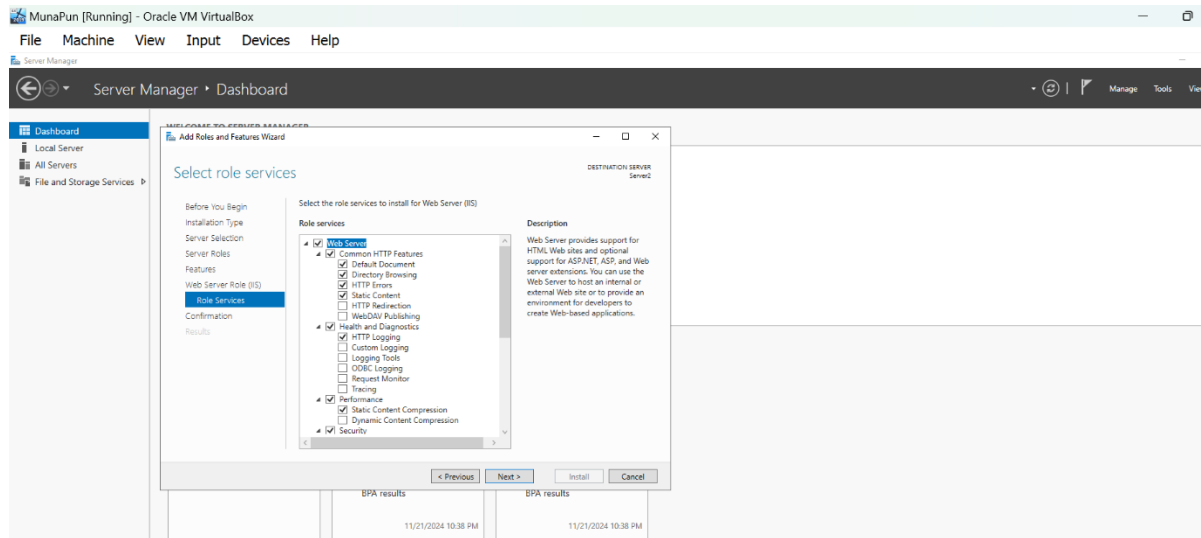


Figure 10: Clicking next button on role services

3.11. Confirmation for installation

We have to press nest button, after that a restart server will popup and press yes button.

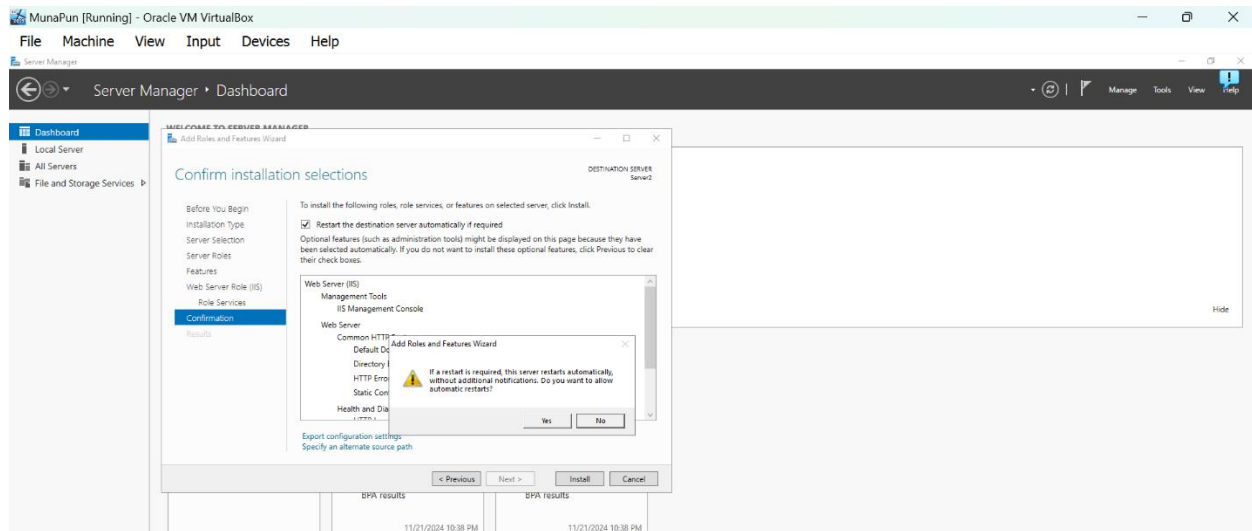


Figure 11: Confirmation for installation

3.12. Installation on progress

it will take some time to get installed required features.

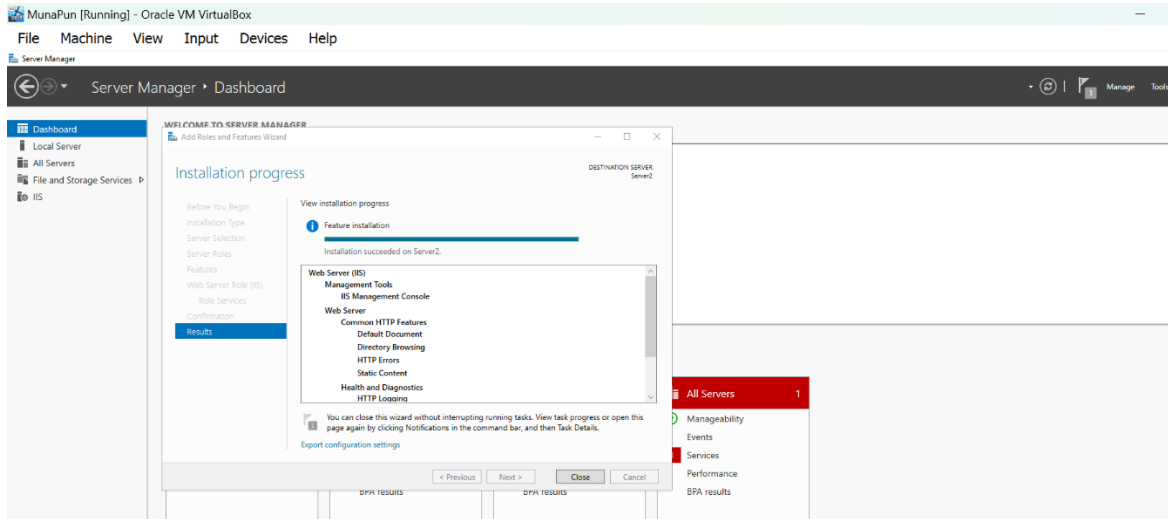


Figure 12: Installation on progress

3.13. Selecting the Tool server

In this step, we have to choose the tool server and click on internet information server manager.

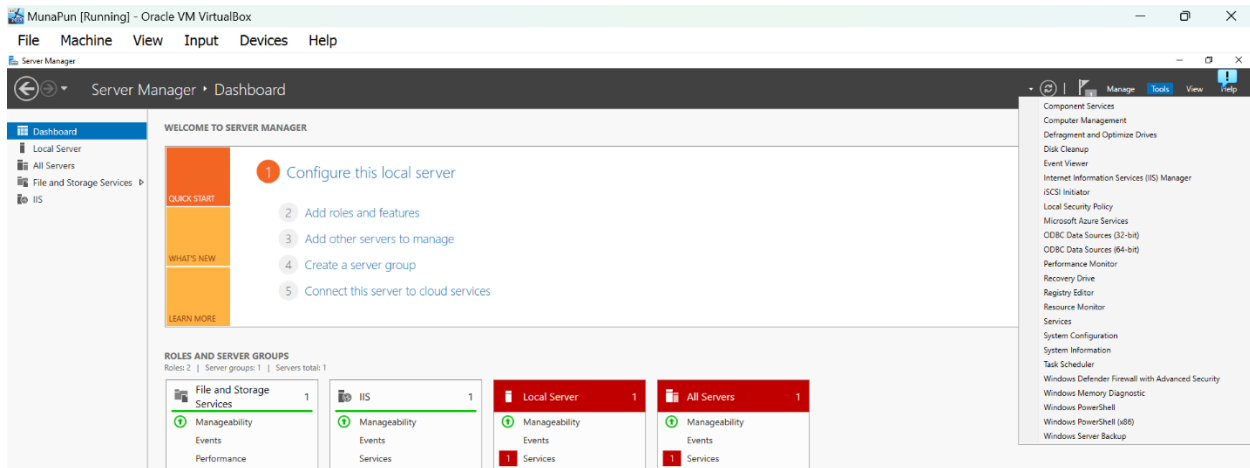


Figure 13: Choosing the internet information services manager

3.14. View of start page of internet information services manager

After choosing IIS manage, IIS manager will be open and we can see our server's name on the left pane of the manager.

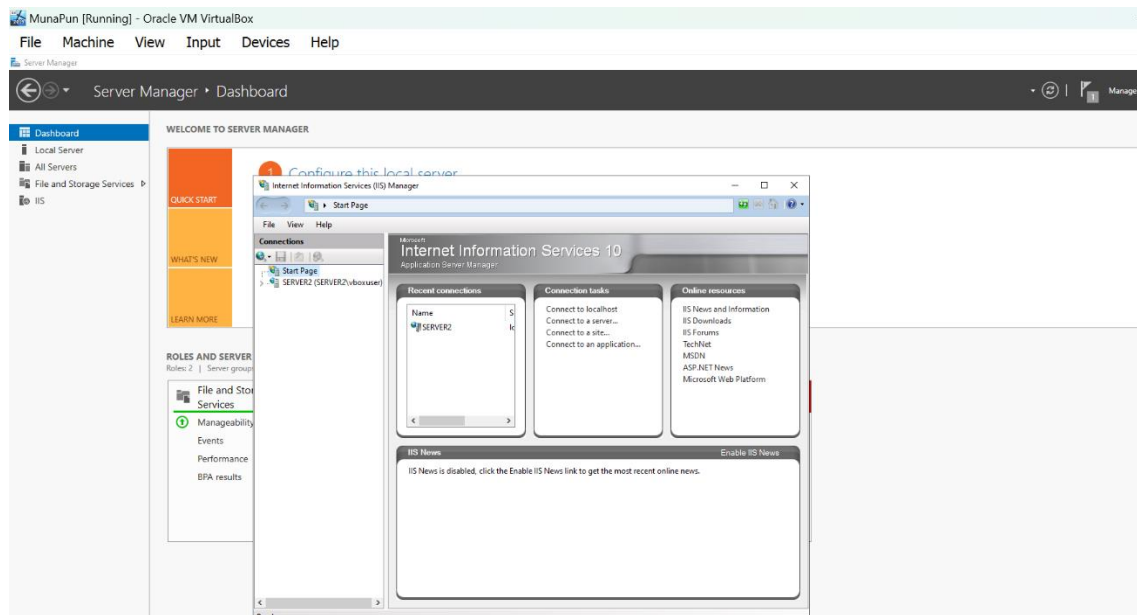


Figure 14: View of start page of internet information services manager

3.15. Clicking on dropdown menu to see sites option

In this here, we have to click on dropdown button and click on sites to see the default web server.

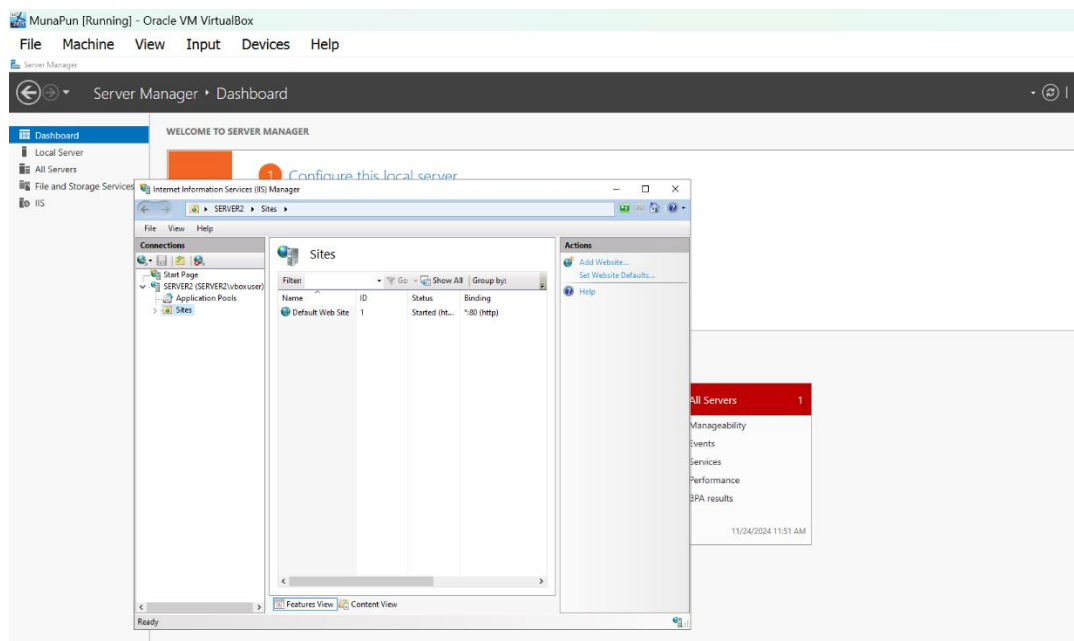


Figure 15: Clicking on sites option

3.16. Click on Add websites

There is only one website so, we are adding new website. To, add new website we have to click on right side of sites and have to click on the “Add website”.

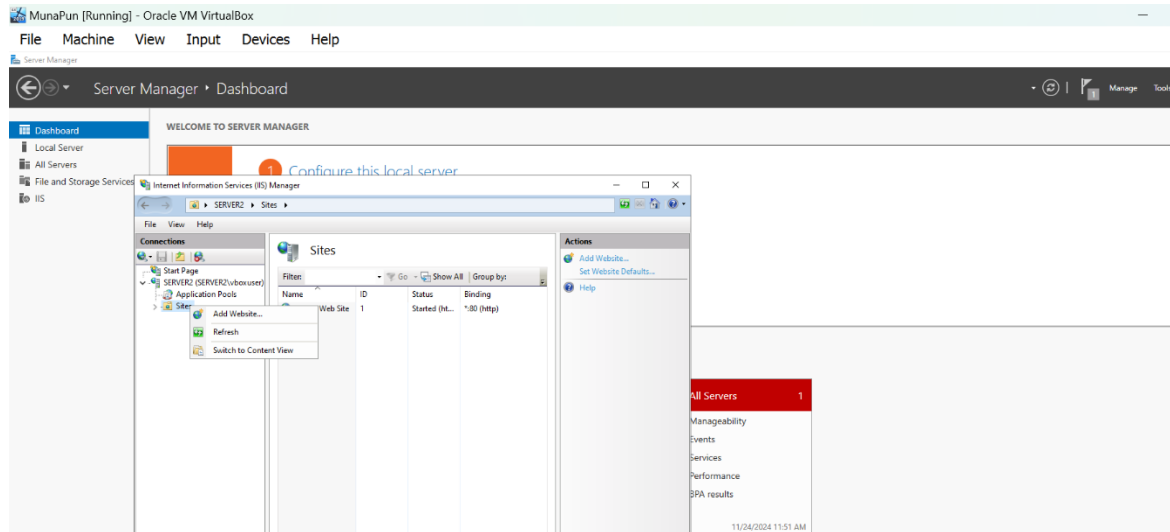


Figure 16: Clicking on Adding the websites

3.17. Details for adding the websites

Now we have to enter the site credentials, have to give name “mysite.local” on Site name, On Physical path select the folder where our website file are located and On Host name we need to type “mysite.local”.

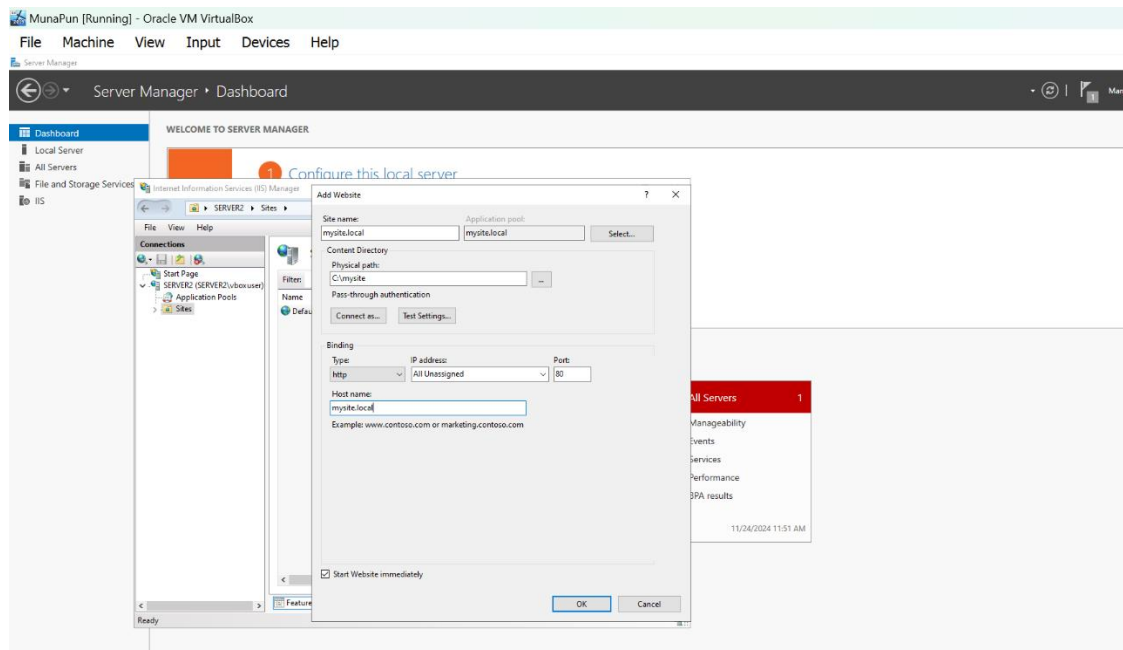


Figure 17:Details for adding the websites

3.18. Listed of our sites in sites folder

We can see our sites is added or listed. Now, we can browse our site by typing “mysite.local” on address bar of web browser in windows server.

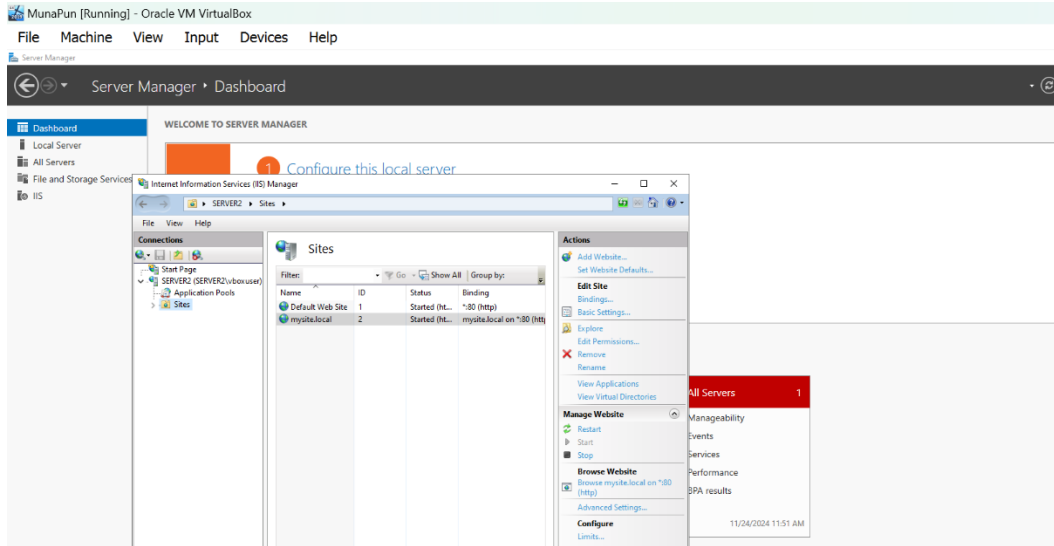


Figure 18: Listed of our sites in sites folder

3.19. Issues while browsing our sites

While browsing our sites there is issues. We have to need to register our site in host file too.

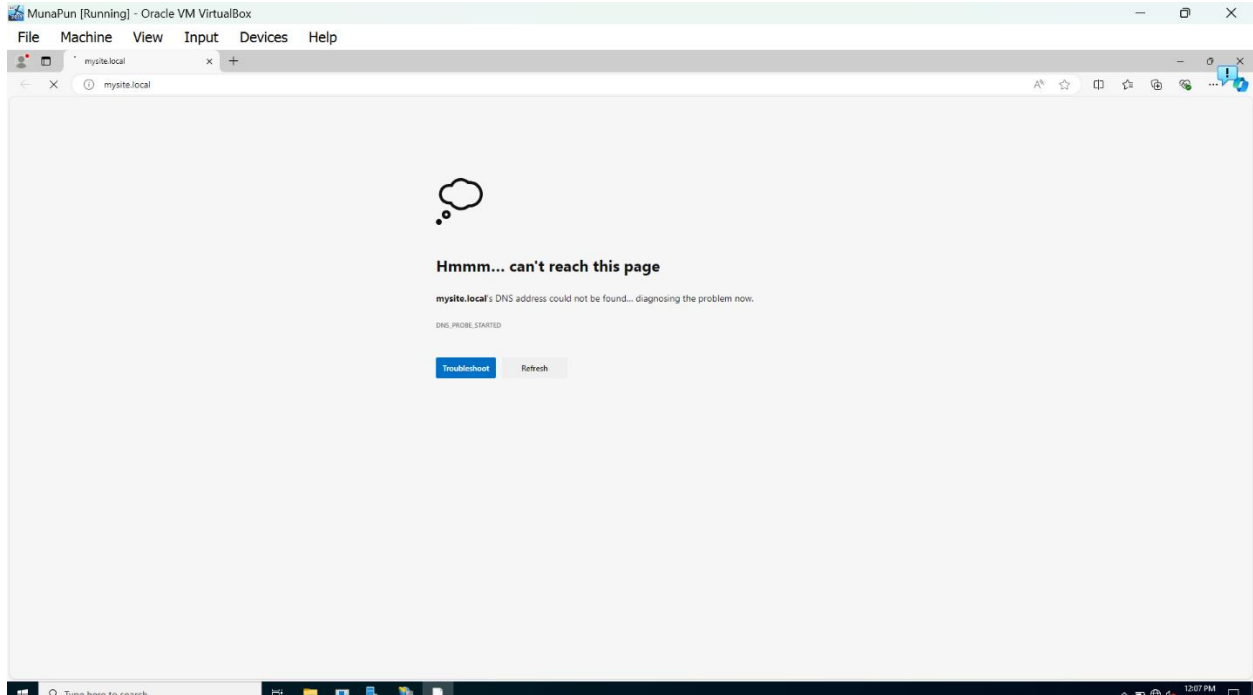


Figure 19: Issue while browsing

3.20. Opening of host file using notepad

To register our site in host file, we need to open the hosts file in notepad which is located at the following path: C/Windows/System32/drivers/etc/hosts.

Now open that hosts file using notepad.

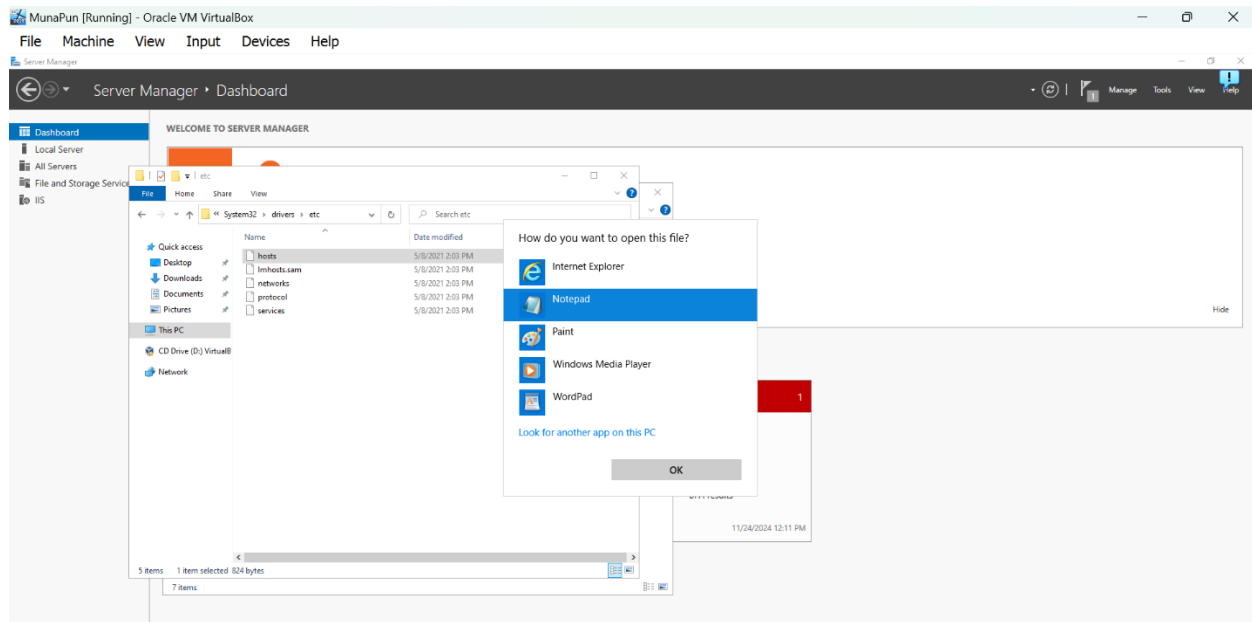


Figure 20: Opening of host file using notepad

3.21. Adding the given command at the end of the file

We have to add the 127.0.0.1 mysite.local command at the end of the file open and have to save it.

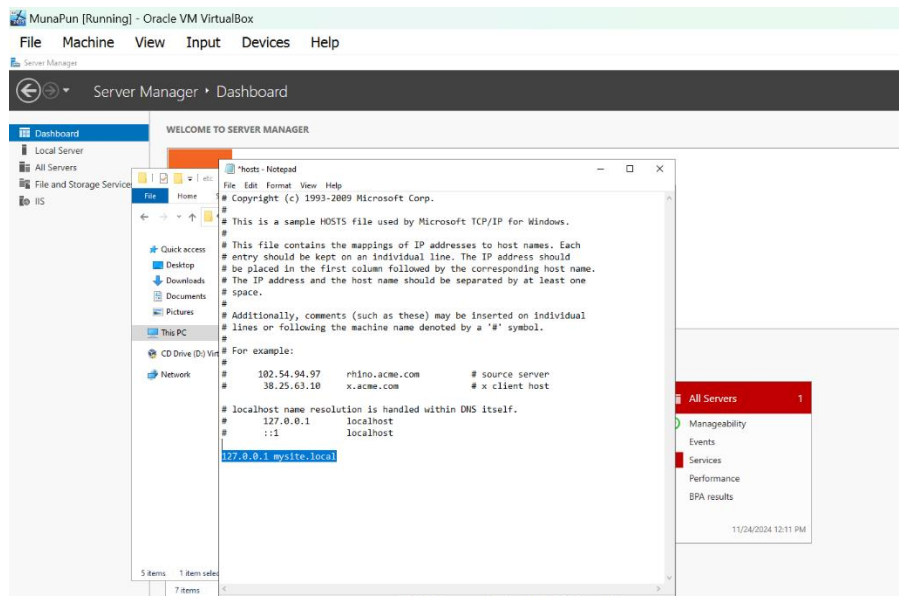


Figure 21: Adding the given command at the end of the file

3.22. Opening of Website on the browser

After saving the command we have to reload our page and then we can see the website has been loaded.

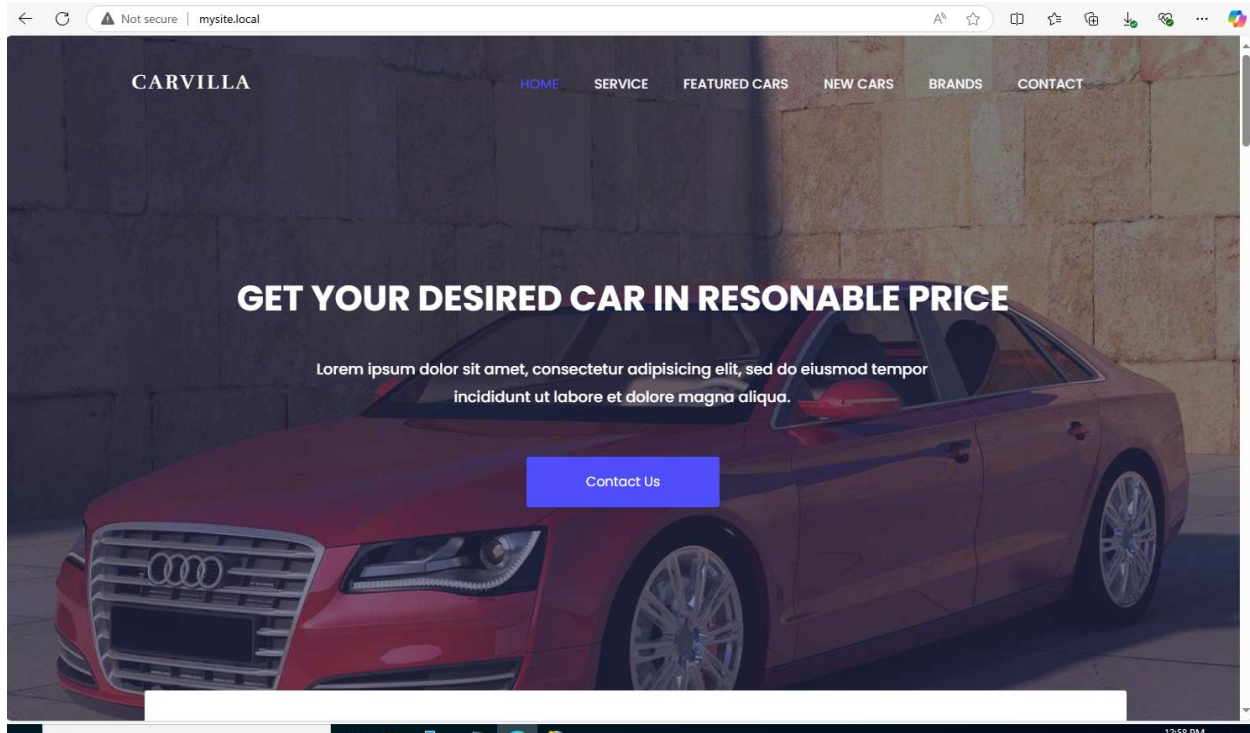


Figure 22: Opening of Website on the browser

4. References

O'Leary, M. (2019). *IIS and ModSecurity*. Cyber Operations.