islington college
(इस्लिङ्टन कलेज)

Module Code & Module Title

Level 5 – Operating Systems

Assessment Type

Logbook 5

Semester

2024 Autumn

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Assignment Due Date: Thursday, December 5, 2024

Assignment Submission Date: Thursday, December 5, 2024

Submitted To: Sharika Dahal

Word Count (Where Required):845

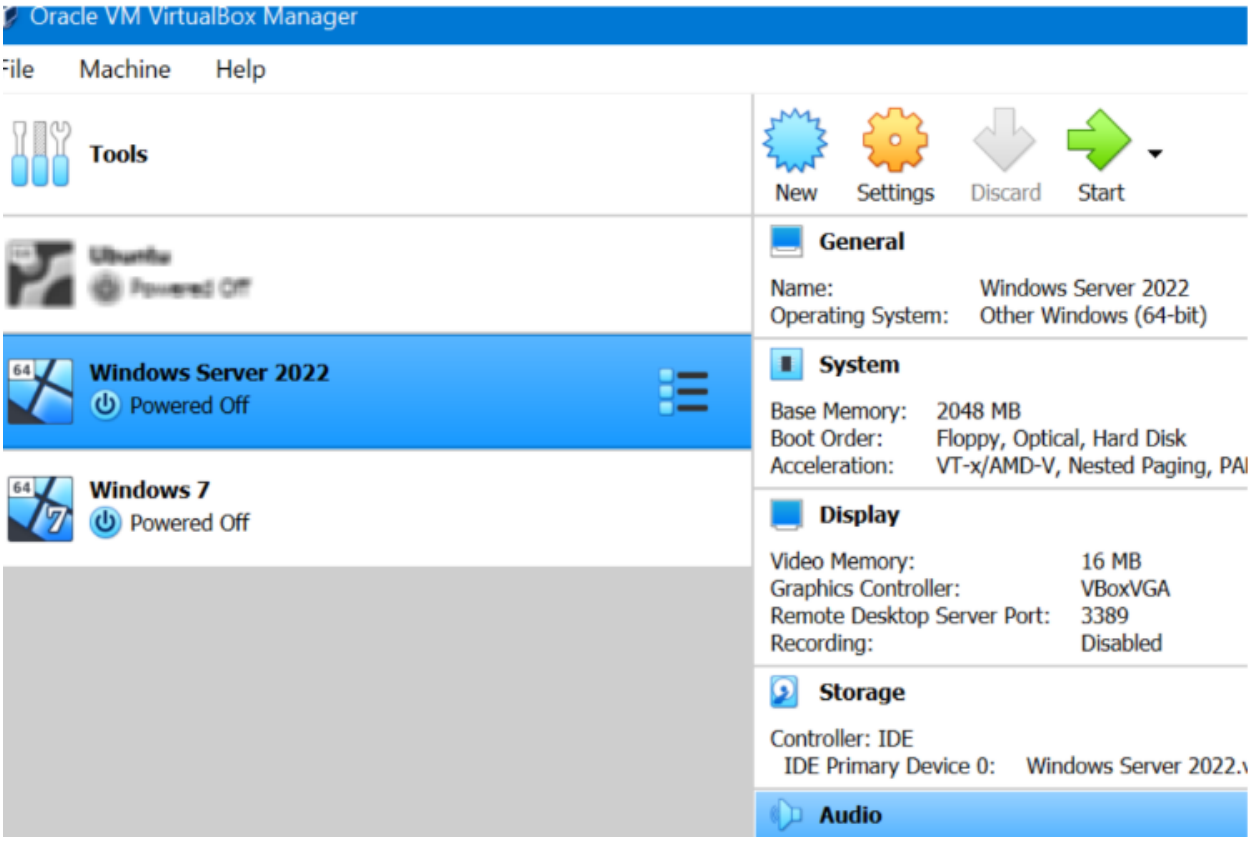
I confirm that I understand my coursework needs to be submitted online via MST Classroom under the relevant module page before the deadline in order for my assignment to be accepted and marked. I am fully aware that late submissions will be treated as non-submission and a mark of zero will be awarded

Logbook 5

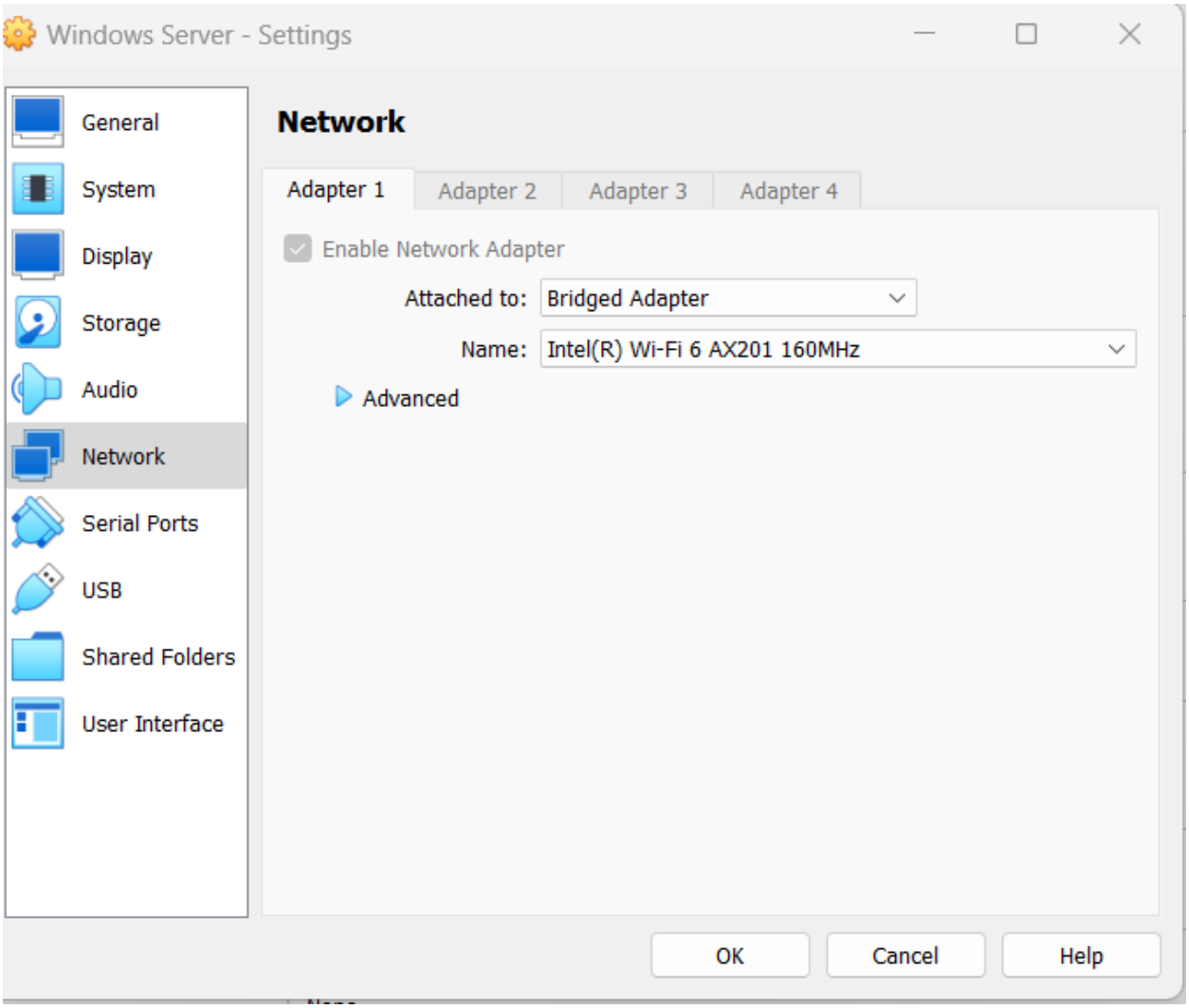
Objective:

The primary aim of this workshop is to demonstrate the hosting of static websites on a guest operating system, specifically Windows Server 2022, and to enable access to these websites from both the host operating system and other devices within the same local area network (LAN). Additionally, the workshop seeks to guide participants on enabling remote desktop features in Windows Server 2022 and accessing it from the host operating system.

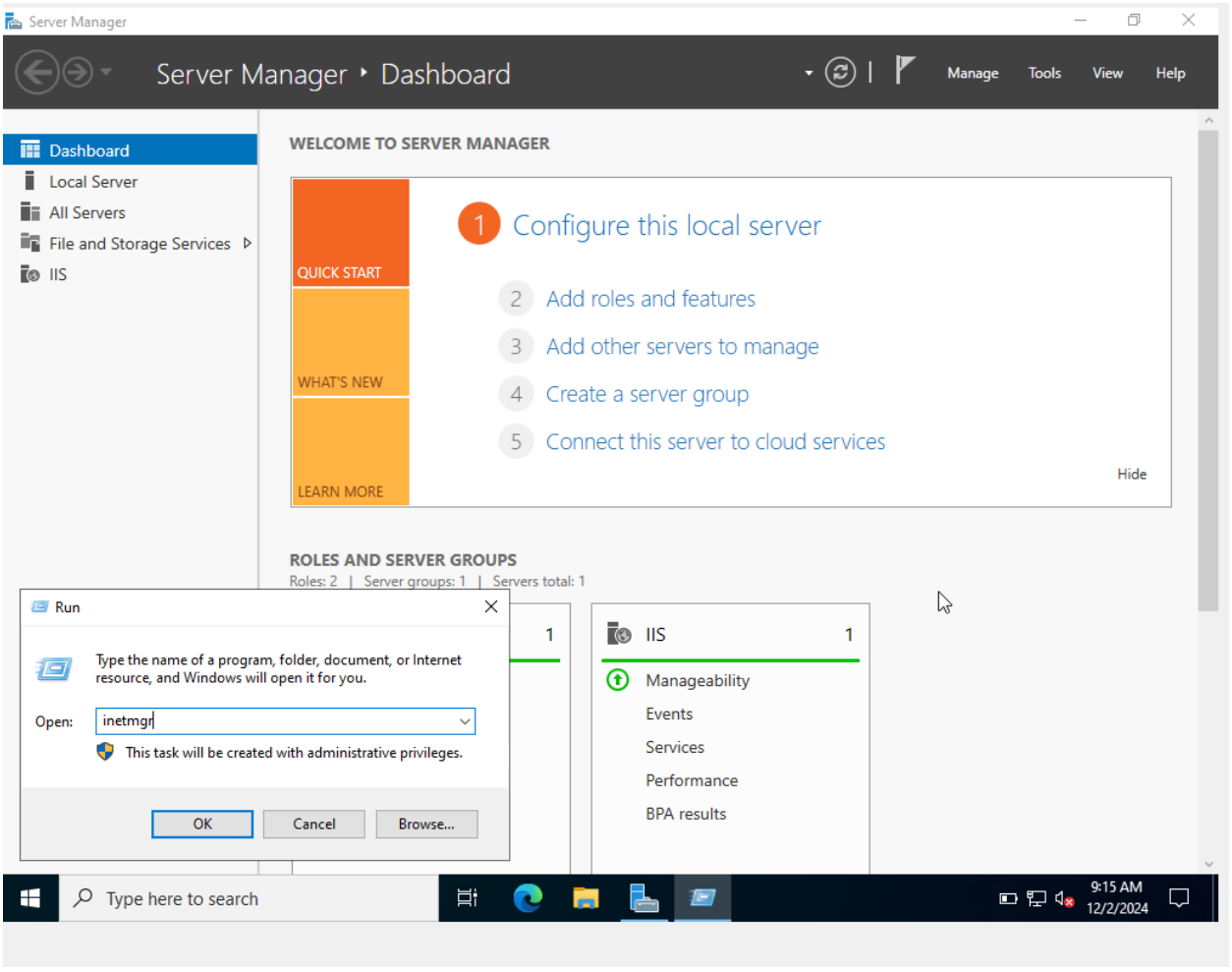
Step 1: Start VirtualBox, highlight the virtual machine of your choice, and press the "Settings" tab.



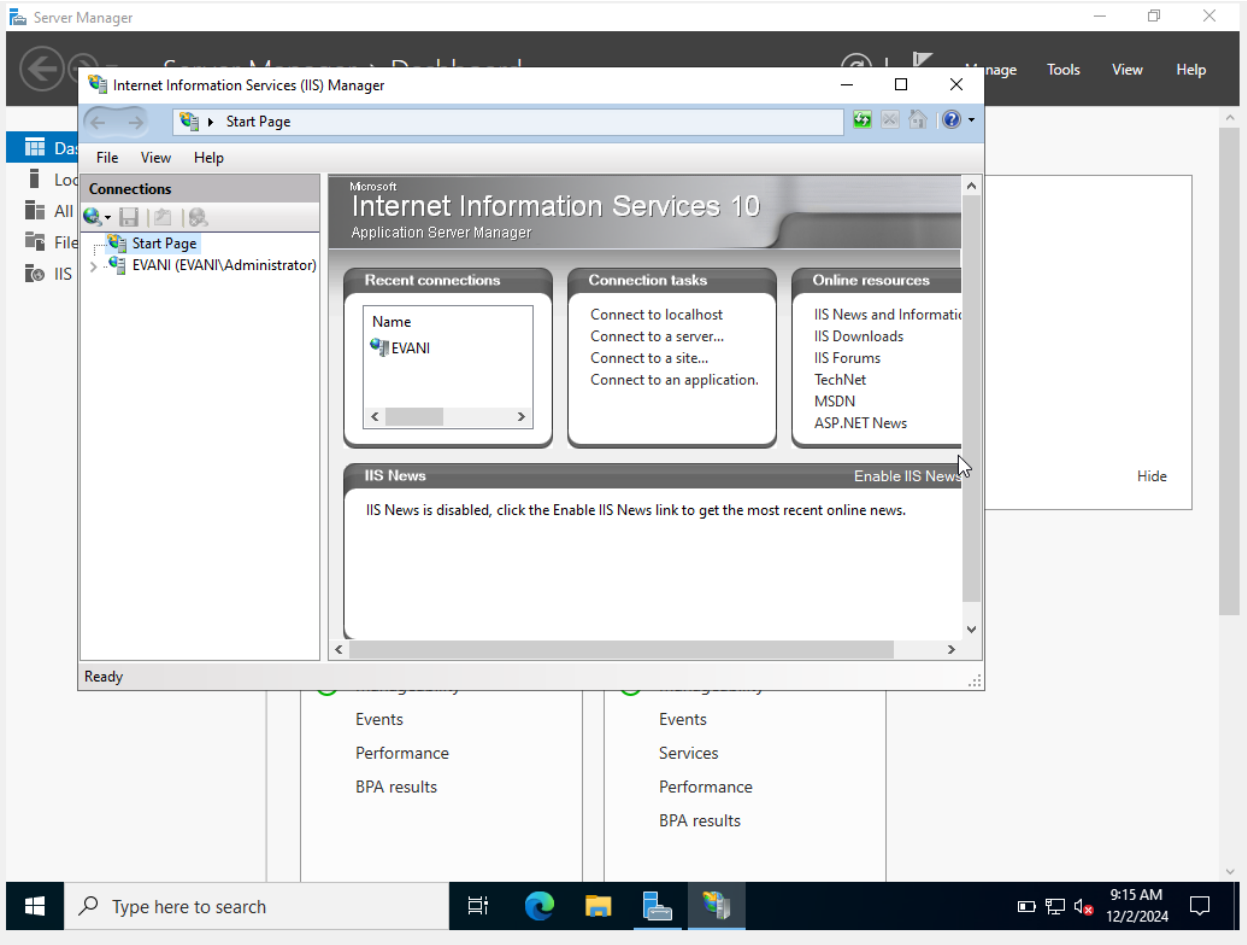
Step 2: Select "Network," change the "Attached to" setting to "Bridged Adapter," press "OK," and run the Windows Server 2022.



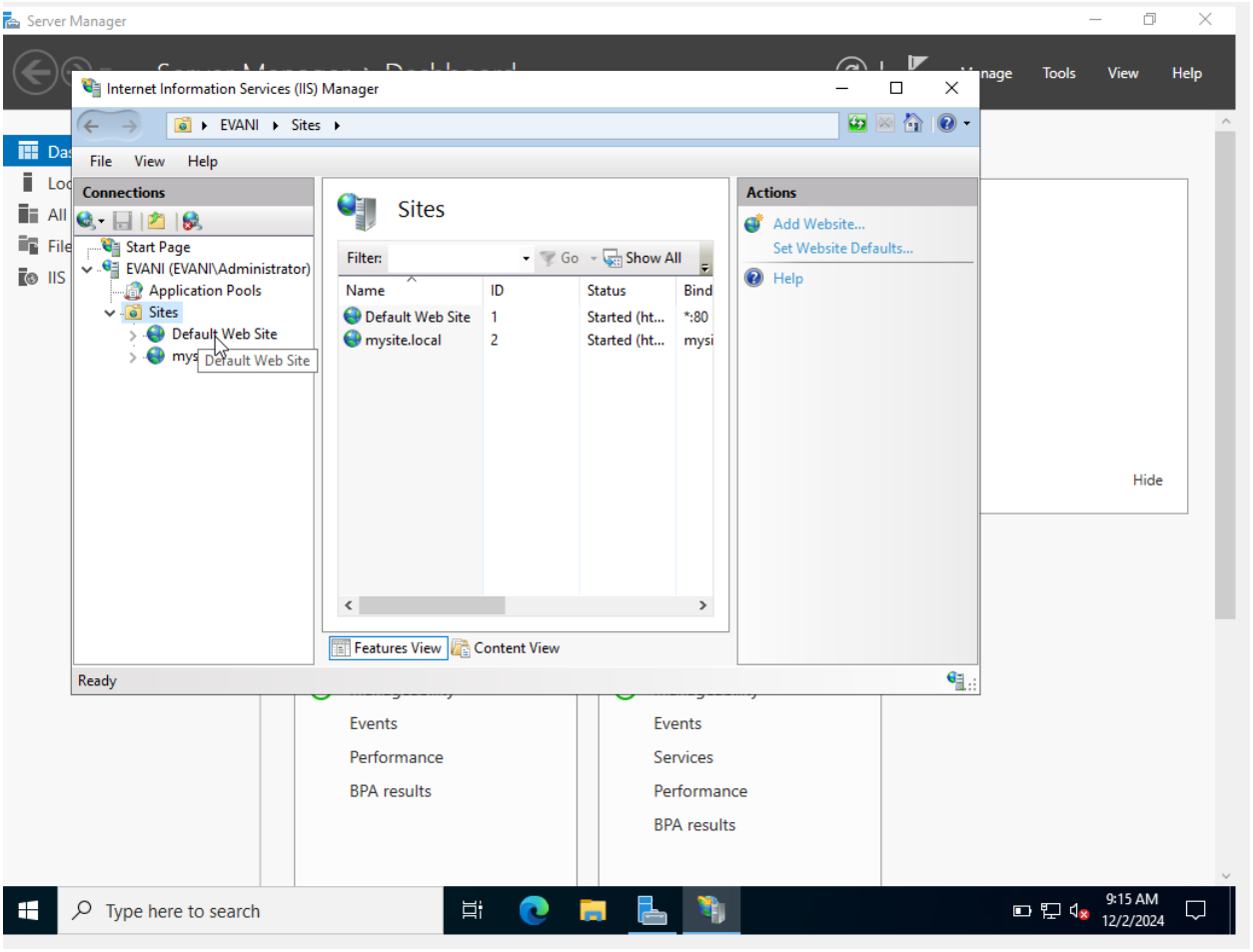
Step 3: Access the Run dialog, enter “inetmgr,” and hit Enter to open IIS, where hosting can be configured.



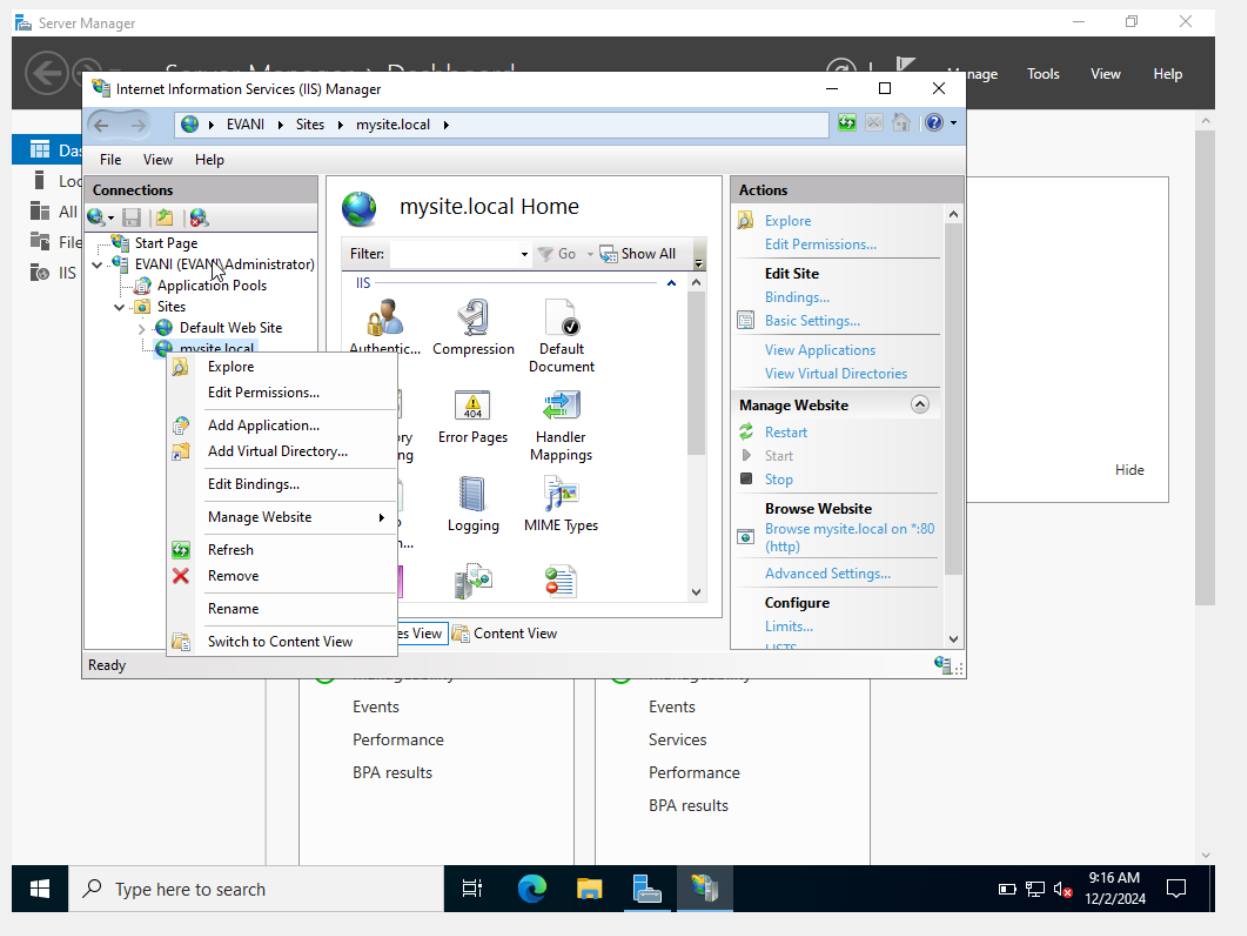
Step 4: Click on the server name to expand it, right-click on "Sites," and pick "Add Website," following the steps from the last workshop.



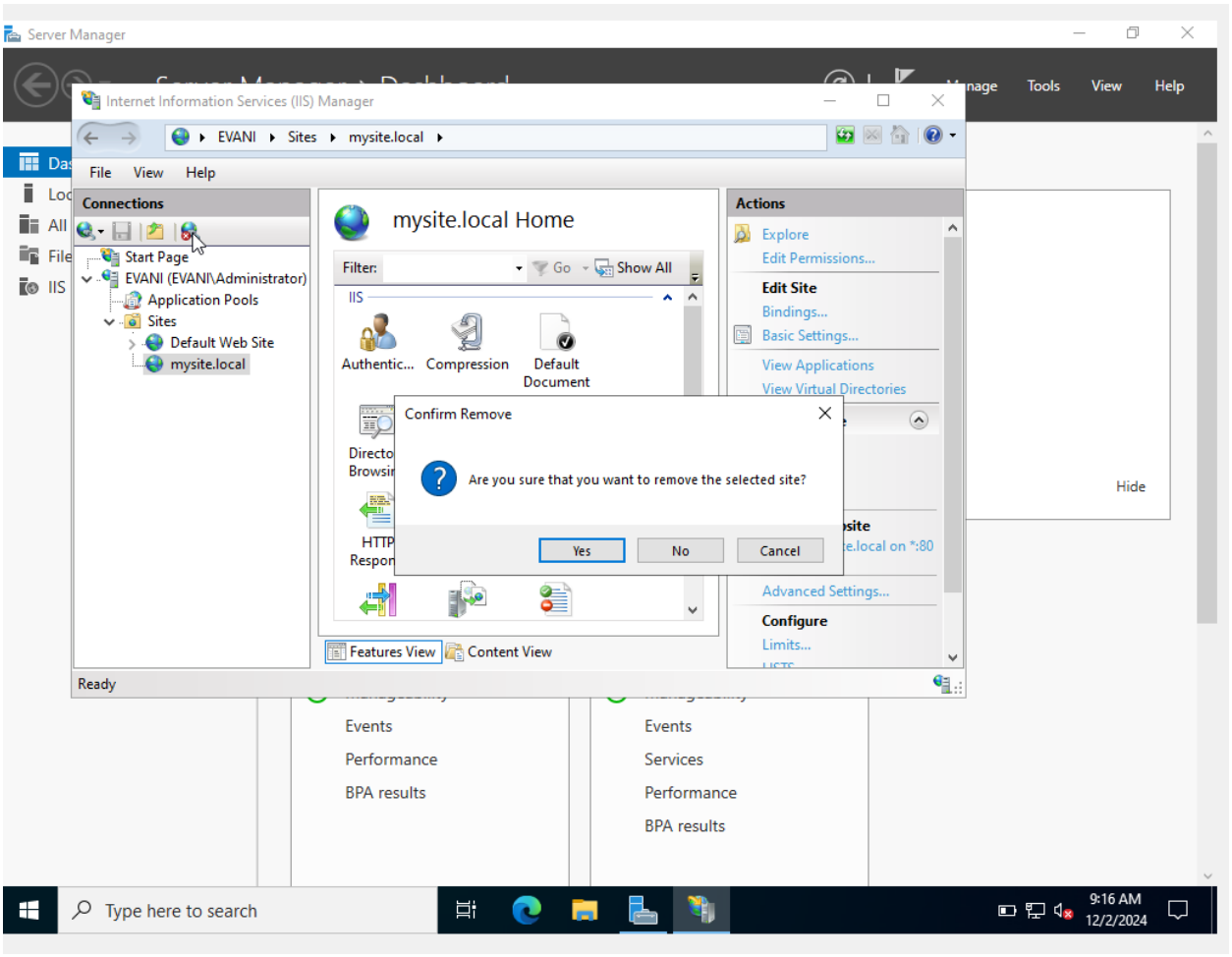
Step 5 : Go to Sites.



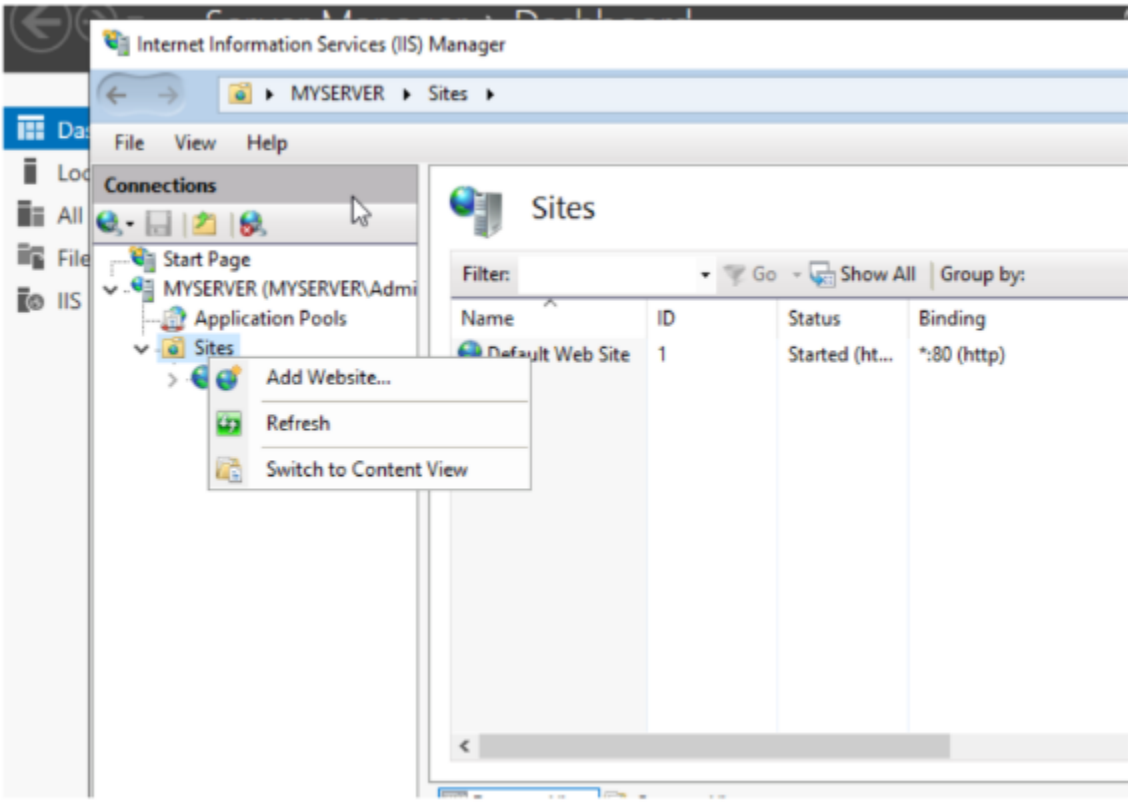
Step 6: Select “mysite.local”.



Step 7: Remove the selected site.



Step 8: Expand the server name, right-click on **“Sites,”** and select the **“Add Website”** option, just as demonstrated in the previous workshop.



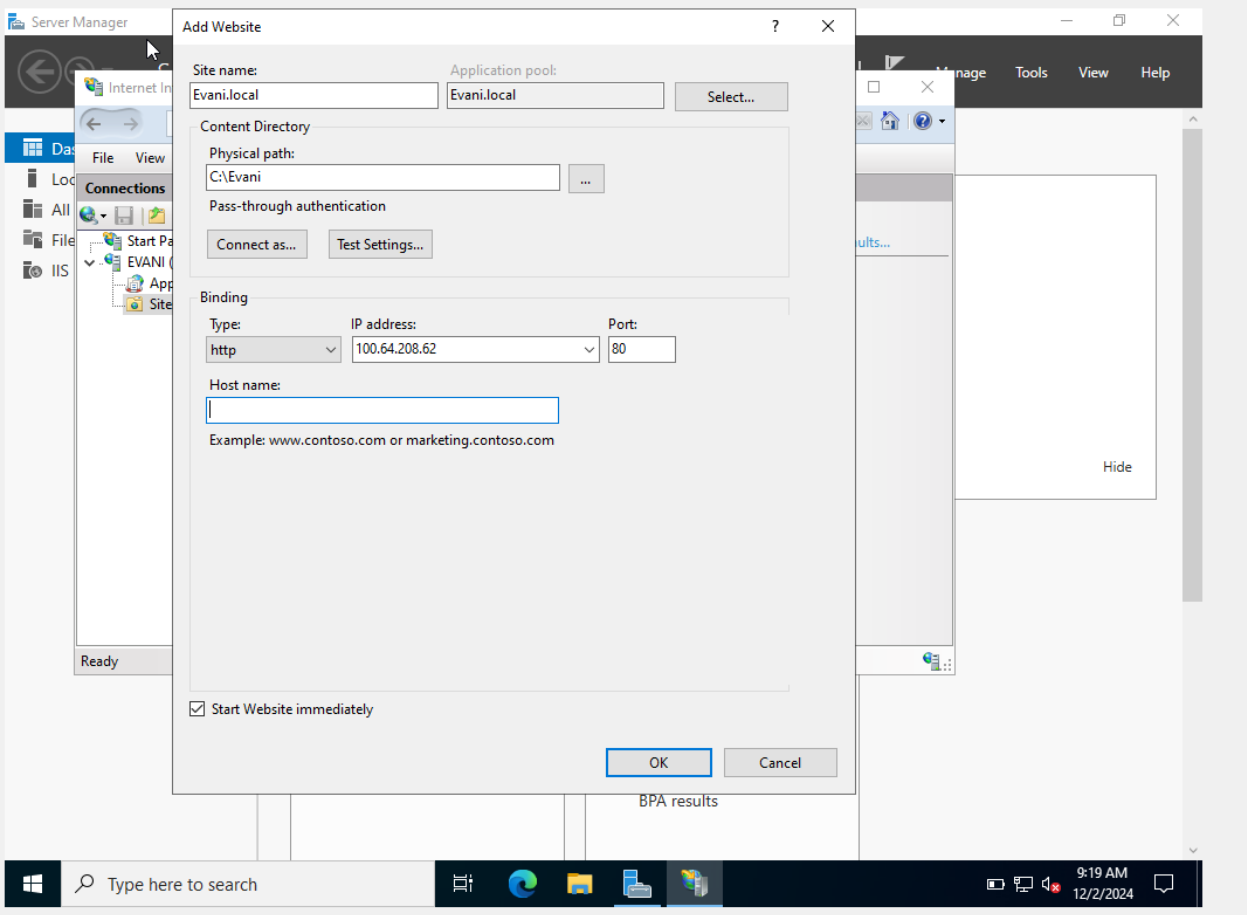
Step 9: Provide the following details for your website configuration:

Site Name: Enter any name of your choice.

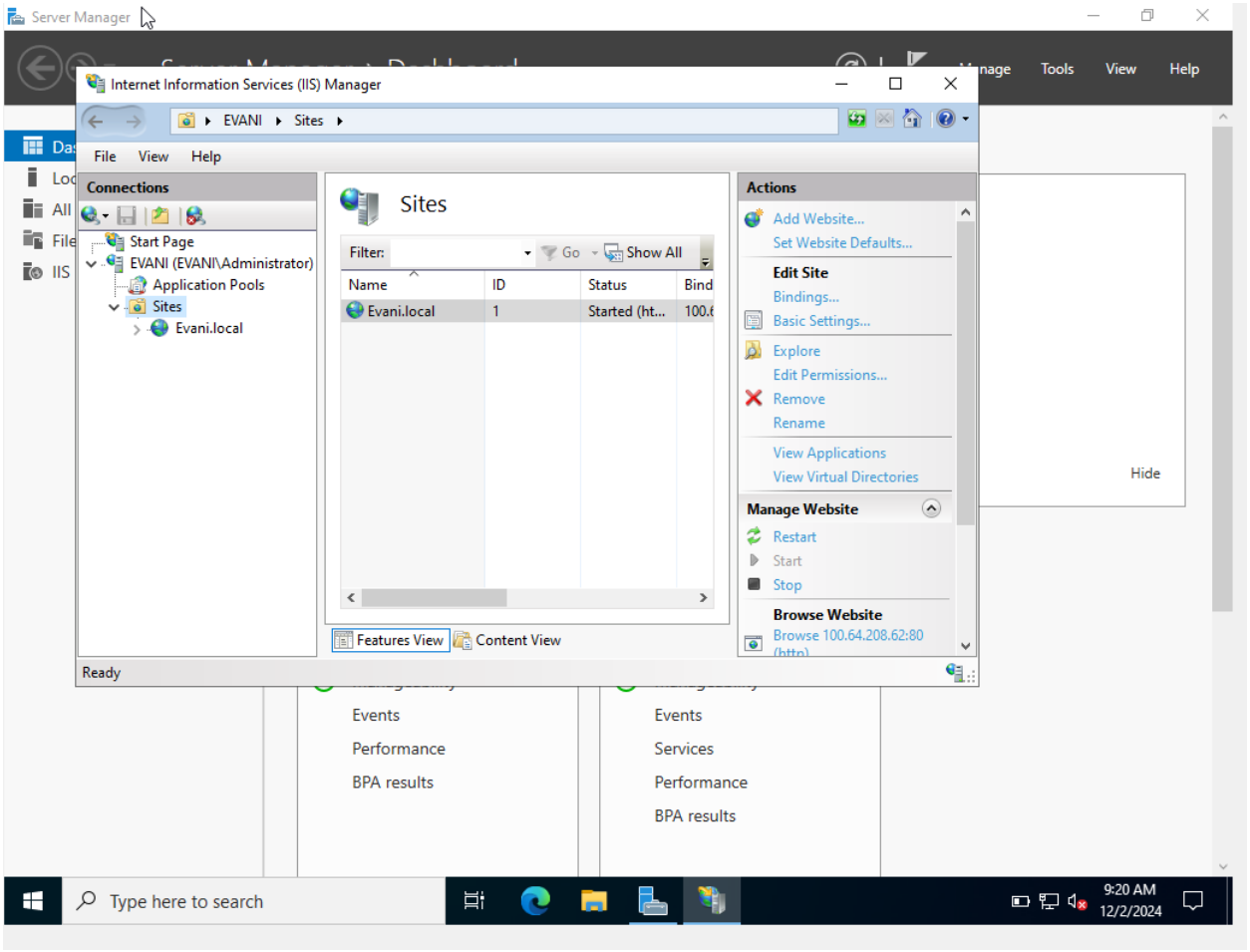
Physical Path: Specify the path to the folder where your website files are stored.

IP Address: Select the assigned IP address from the dropdown menu.
Note: If you switch networks, such as moving from home to college, your IP address will change. You will need to update it accordingly to maintain access.

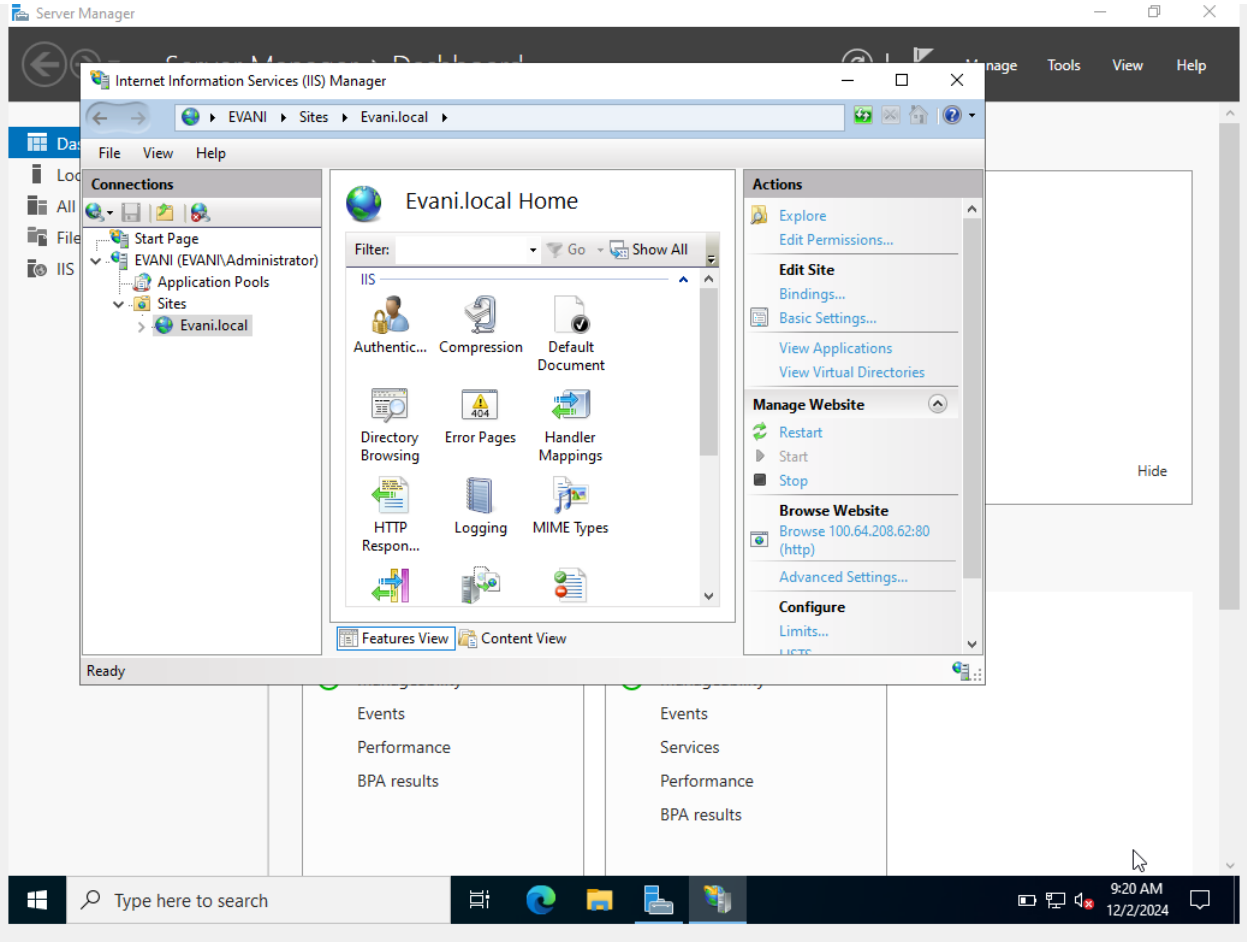
Leave all other settings as default and click “OK.”

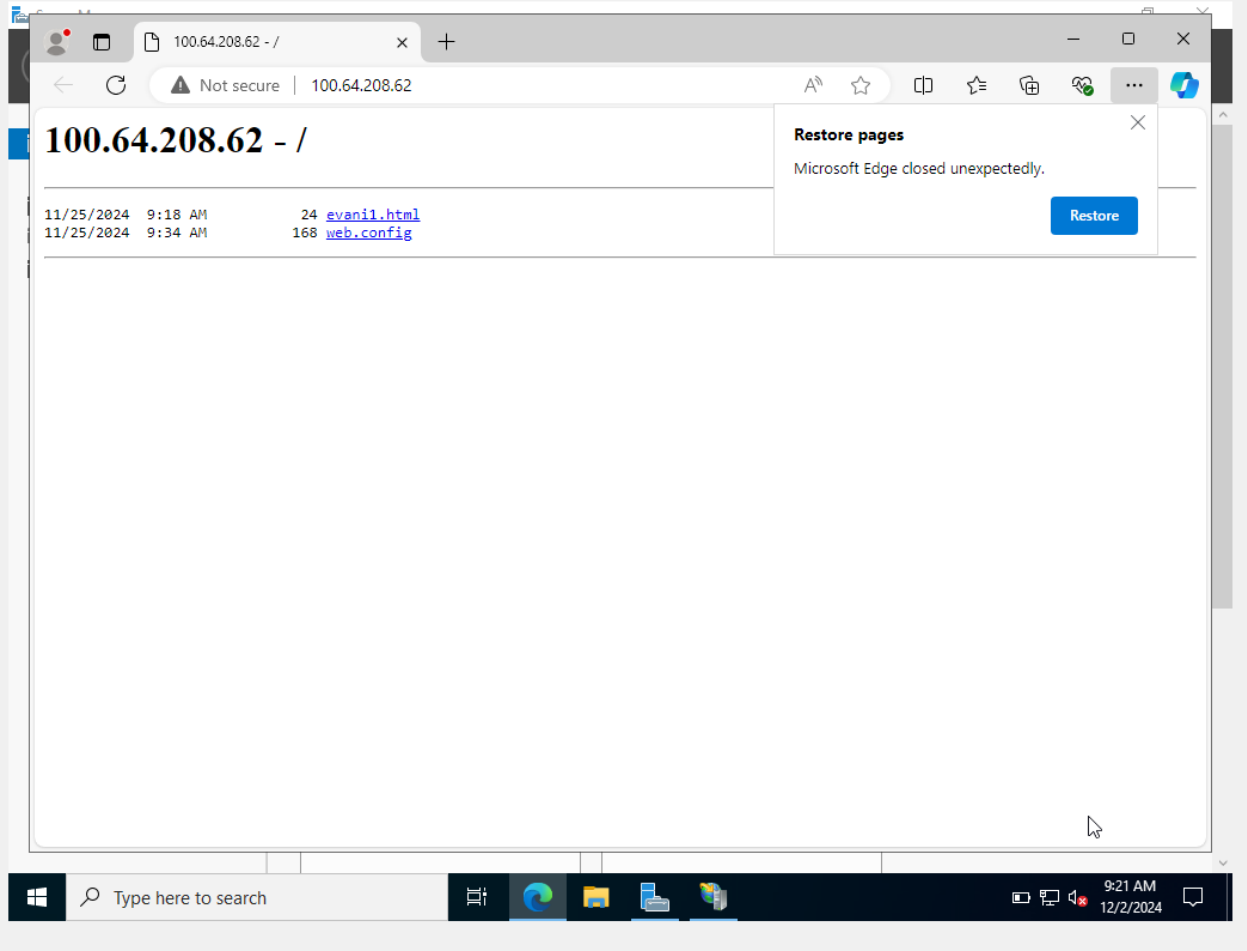


Step 10: You will now see your site name listed. To view your website, click on **“Browse”** next to your IP address on the right-hand side. This will open your website in the browser.

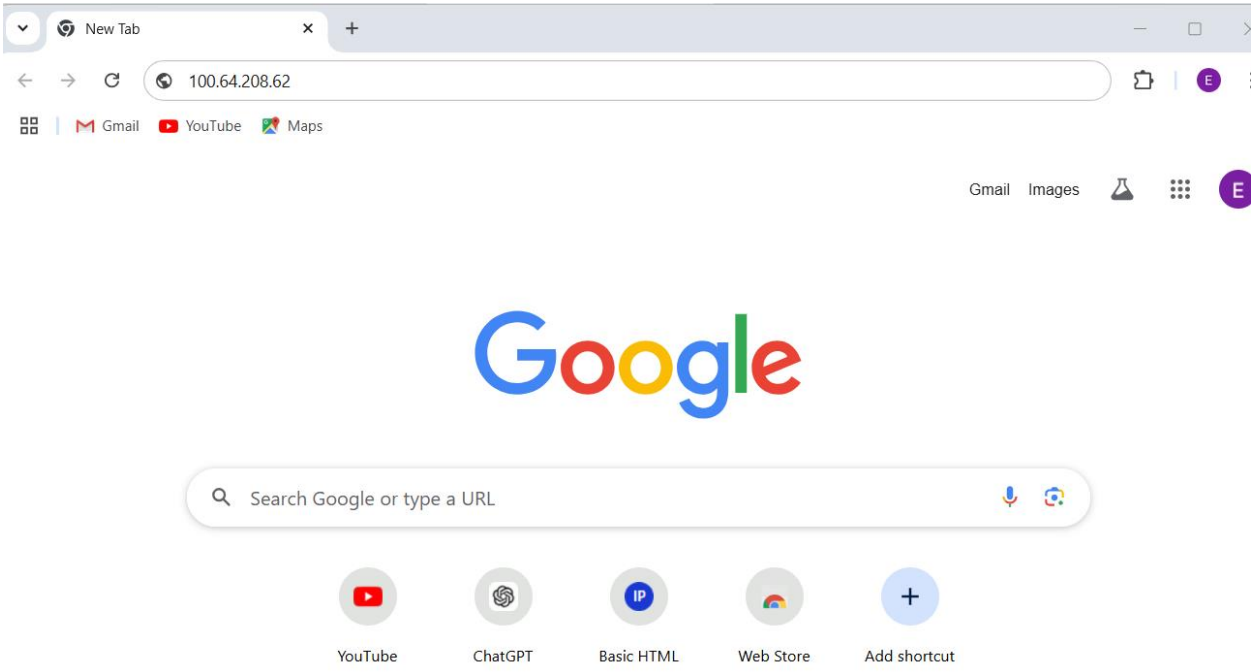


Step 11: To view your website, click on **“Browse”** next to your IP address on the right-hand side.

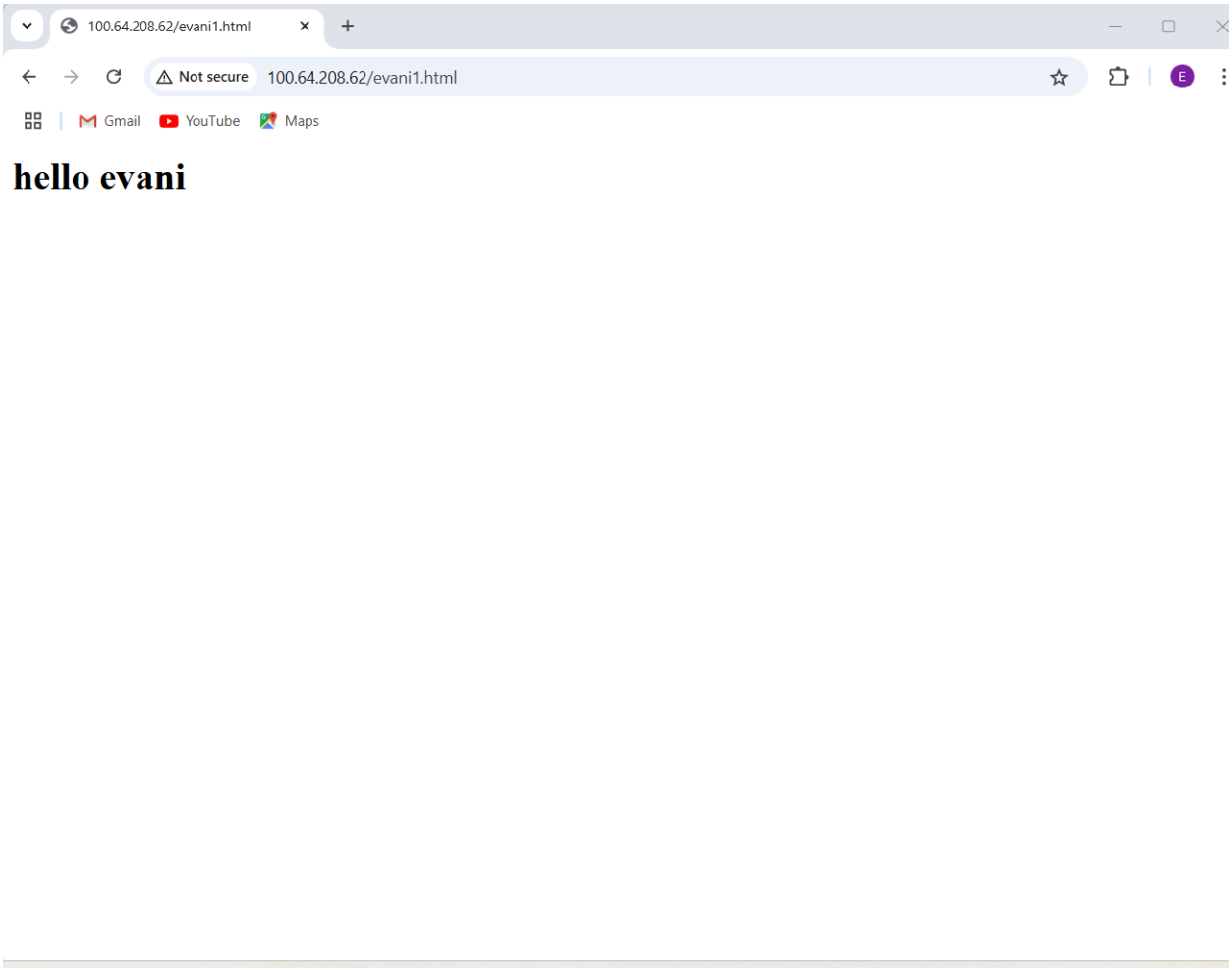



100.64.208.62 - /
Not secure
100.64.208.62
100.64.208.62 - /
11/25/2024 9:18 AM 24 evani1.html
11/25/2024 9:34 AM 168 web.config
Restore pages
Microsoft Edge closed unexpectedly.
Restore
Type here to search
9:21 AM
12/2/2024

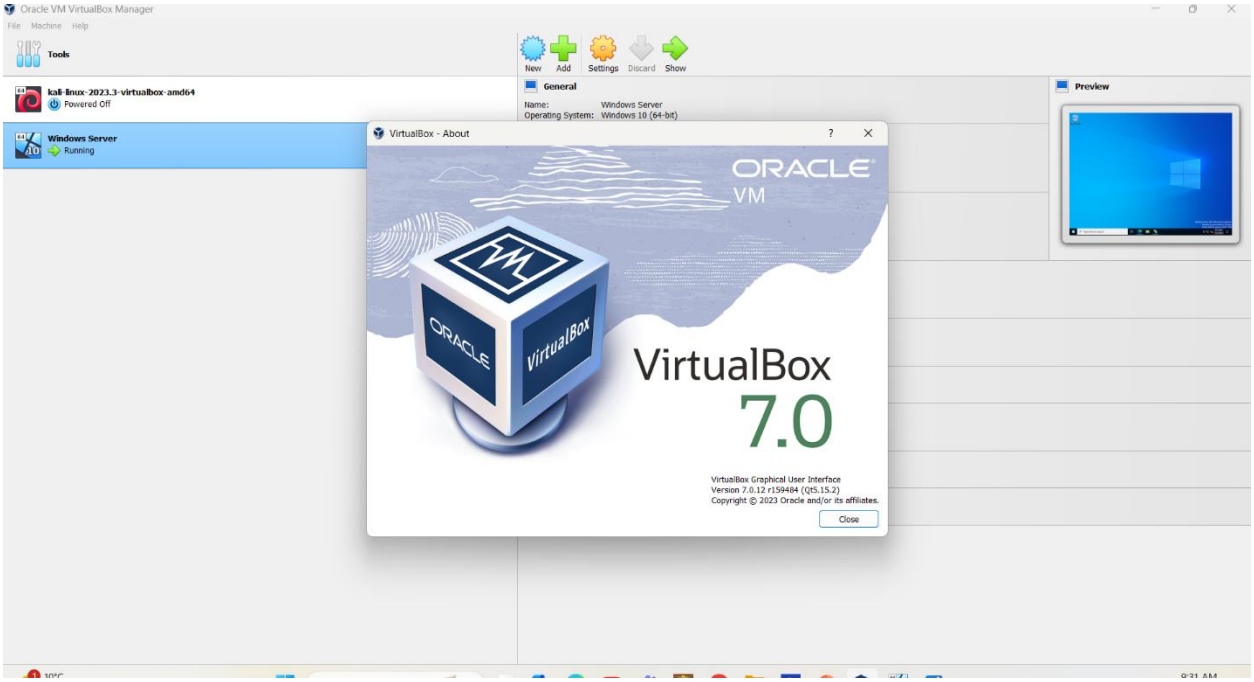
Step 12: Enter the IP address of the Guest OS into the browser on the Host OS and check if the website is accessible. This verifies the successful setup of the website.



Step 13: This will open our website in browser.



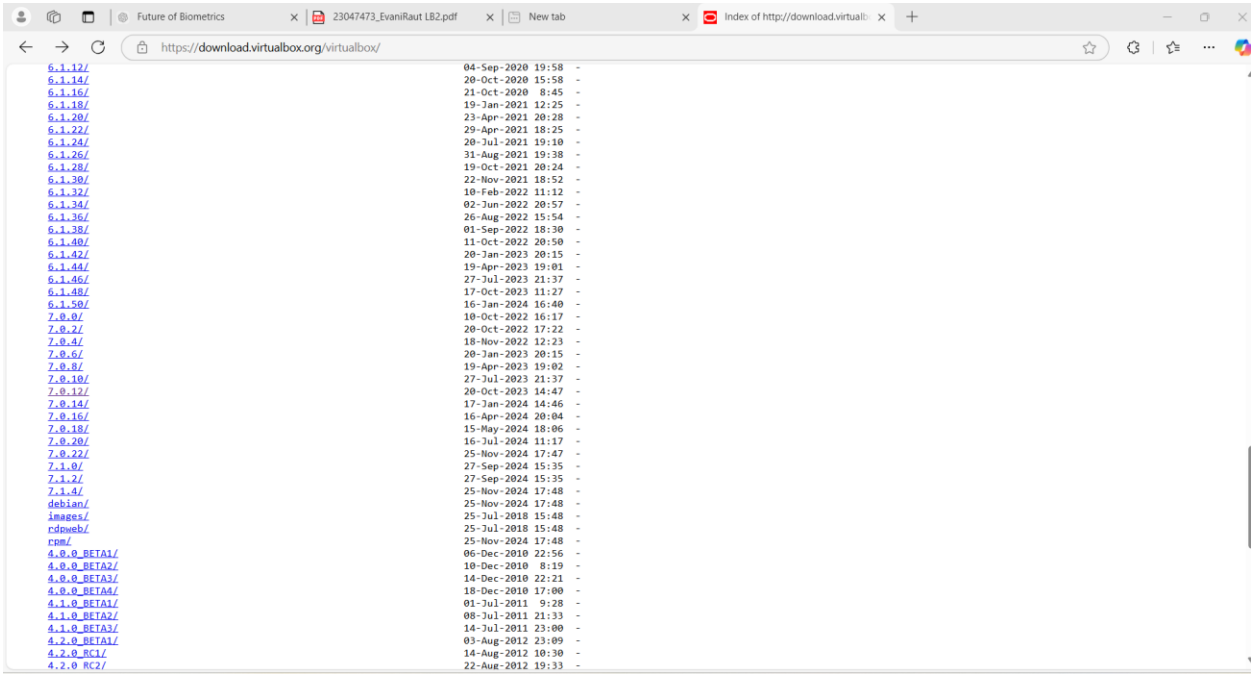
Step 14: To check the version of your VirtualBox, click on **"Help"** in the VirtualBox Manager menu, then select **"About VirtualBox"**. This will display the version of VirtualBox you are using



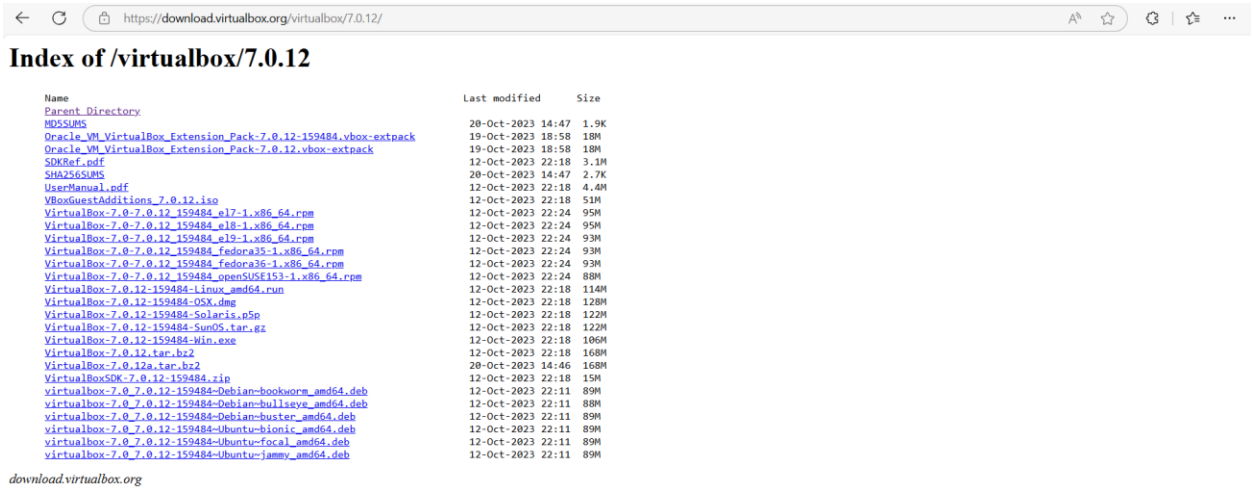
Step 15: To proceed, we need to configure the VirtualBox extension pack.

1. **Check Your VirtualBox Version**: Determine the version of VirtualBox installed on your system.
2. **Download the Extension Pack**:
    - Visit the following link: [VirtualBox Downloads](#).
    - Select and download the extension pack that matches your VirtualBox version.

Ensure that the correct version is selected to avoid compatibility issues.



Step 16: After selecting your VirtualBox version from the link, locate and click on the **.extpack** file, as shown in the example image. Download the extension pack to your system.



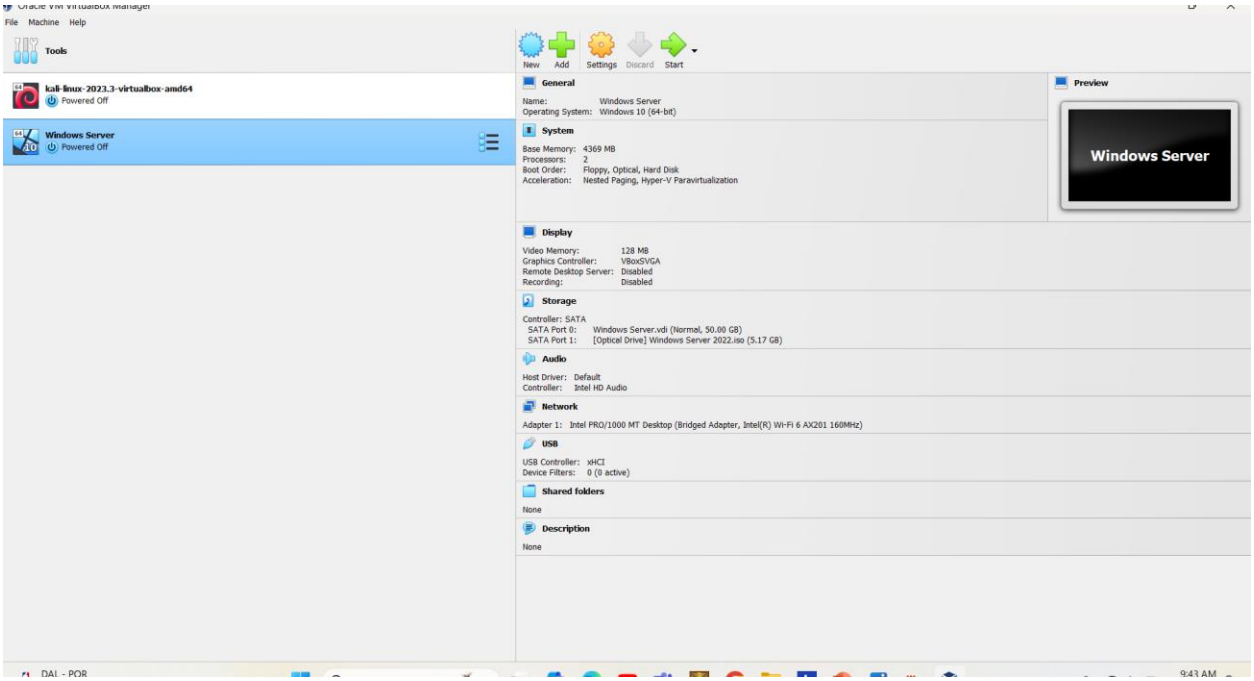
https://download.virtualbox.org/virtualbox/7.0.12/

Index of /virtualbox/7.0.12

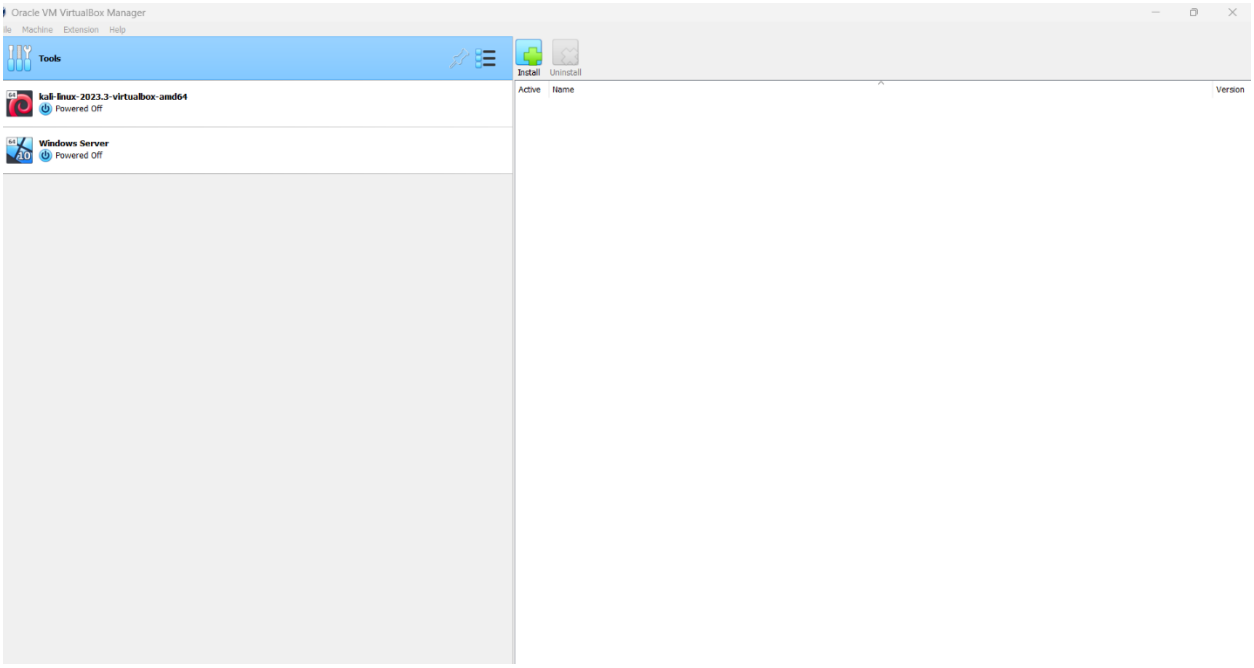
Name	Last modified	Size
Parent Directory		
MD5SUMS	20-Oct-2023 14:47	1.9K
Oracle_VM_VirtualBox_Extension_Pack-7.0.12-159484.vbox-extpack	19-Oct-2023 18:58	18M
Oracle_VM_VirtualBox_Extension_Pack-7.0.12.vbox-extpack	19-Oct-2023 18:58	18M
SDKRef.pdf	12-Oct-2023 22:18	3.1M
SHA256SUMS	20-Oct-2023 14:47	2.7K
UserManual.pdf	12-Oct-2023 22:18	4.4M
VBoxGuestAdditions_7.0.12.iso	12-Oct-2023 22:18	51M
VirtualBox-7.0-7.0.12_159484_el7-1.x86_64.rpm	12-Oct-2023 22:24	95M
VirtualBox-7.0-7.0.12_159484_el8-1.x86_64.rpm	12-Oct-2023 22:24	95M
VirtualBox-7.0-7.0.12_159484_el9-1.x86_64.rpm	12-Oct-2023 22:24	93M
VirtualBox-7.0-7.0.12_159484_fedora35-1.x86_64.rpm	12-Oct-2023 22:24	93M
VirtualBox-7.0-7.0.12_159484_fedora36-1.x86_64.rpm	12-Oct-2023 22:24	93M
VirtualBox-7.0-7.0.12_159484_openSUSE153-1.x86_64.rpm	12-Oct-2023 22:24	88M
VirtualBox-7.0.12-159484-Linux_amd64.run	12-Oct-2023 22:18	114M
VirtualBox-7.0.12-159484-OSX.dmg	12-Oct-2023 22:18	128M
VirtualBox-7.0.12-159484-Solaris.p5p	12-Oct-2023 22:18	122M
VirtualBox-7.0.12-159484-SunOS.tar.gz	12-Oct-2023 22:18	122M
VirtualBox-7.0.12-159484-Win.exe	12-Oct-2023 22:18	106M
VirtualBox-7.0.12.tar.bz2	12-Oct-2023 22:18	168M
VirtualBox-7.0.12a.tar.bz2	20-Oct-2023 14:46	168M
VirtualBoxSDK-7.0.12-159484.zip	12-Oct-2023 22:18	15M
virtualbox-7.0_7.0.12-159484~Debian~bookworm_amd64.deb	12-Oct-2023 22:11	89M
virtualbox-7.0_7.0.12-159484~Debian~bullseye_amd64.deb	12-Oct-2023 22:11	88M
virtualbox-7.0_7.0.12-159484~Debian~buster_amd64.deb	12-Oct-2023 22:11	89M
virtualbox-7.0_7.0.12-159484~Ubuntu~bionic_amd64.deb	12-Oct-2023 22:11	89M
virtualbox-7.0_7.0.12-159484~Ubuntu~focal_amd64.deb	12-Oct-2023 22:11	89M
virtualbox-7.0_7.0.12-159484~Ubuntu~jammy_amd64.deb	12-Oct-2023 22:11	89M

download.virtualbox.org

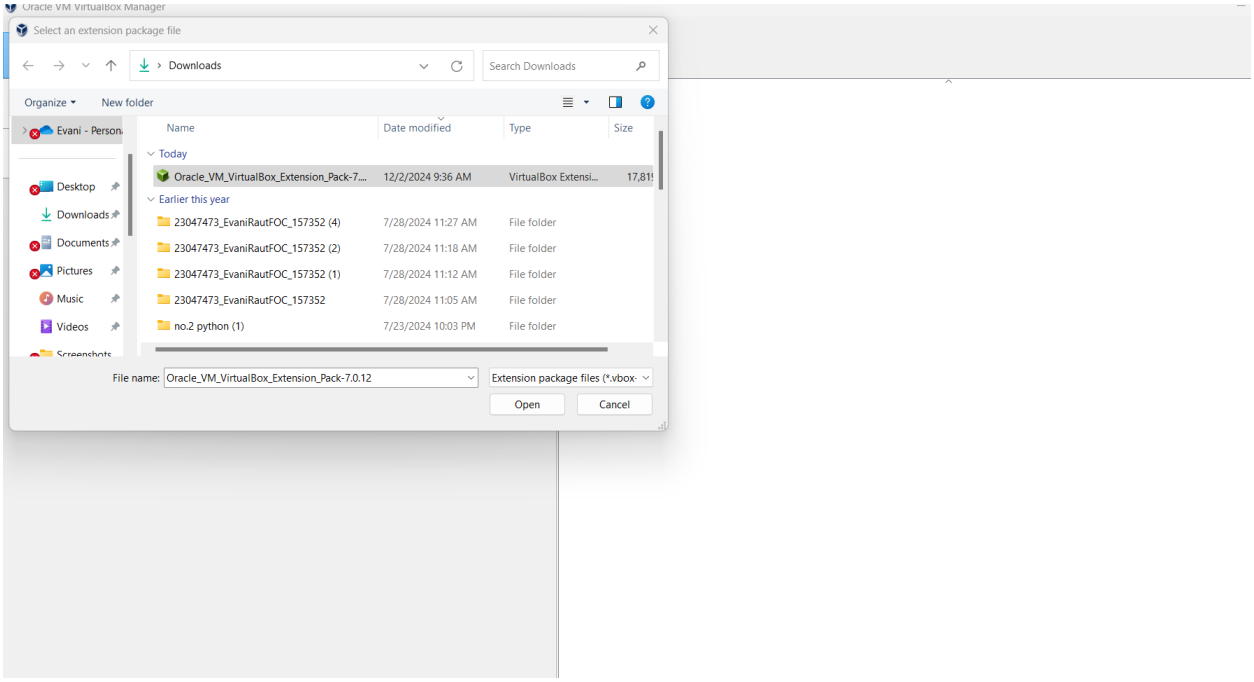
Step 17: Close all running VMs, including VirtualBox. Then, open VirtualBox again by right-clicking on the VirtualBox icon and selecting **"Run as Administrator."** This ensures you have the necessary permissions for certain configurations.



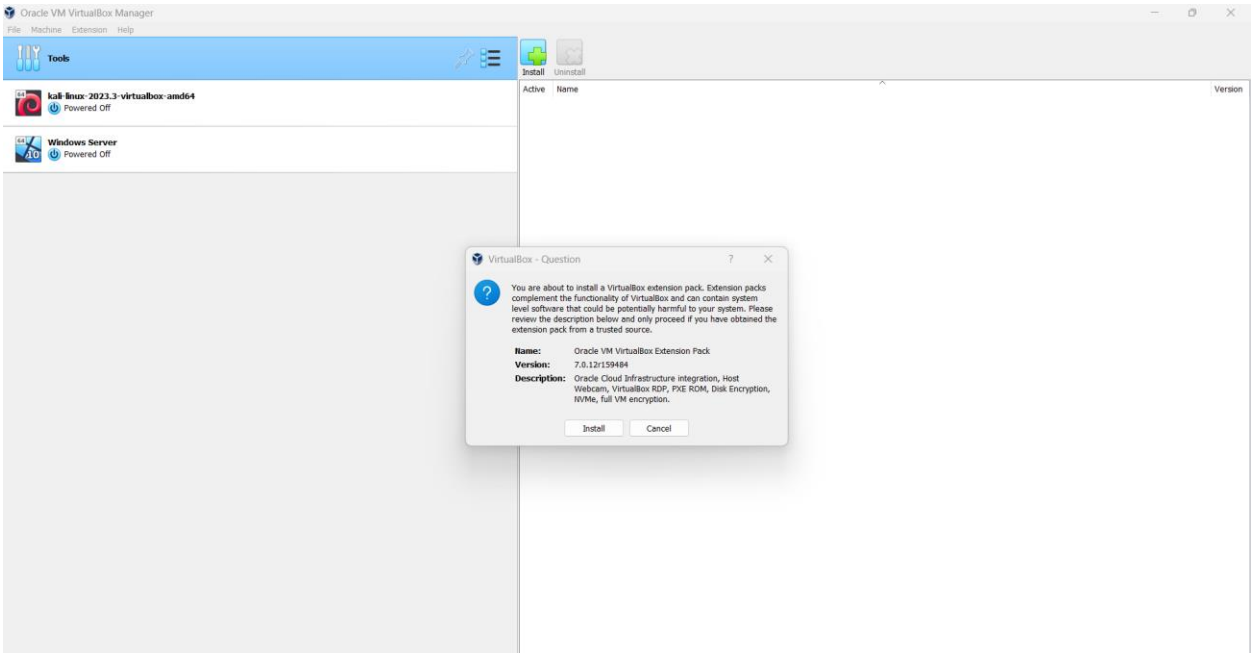
Step 18: Click on **“Tools”** at the top of the VirtualBox window, and then select **“Preferences”** from the dropdown menu to access the settings.



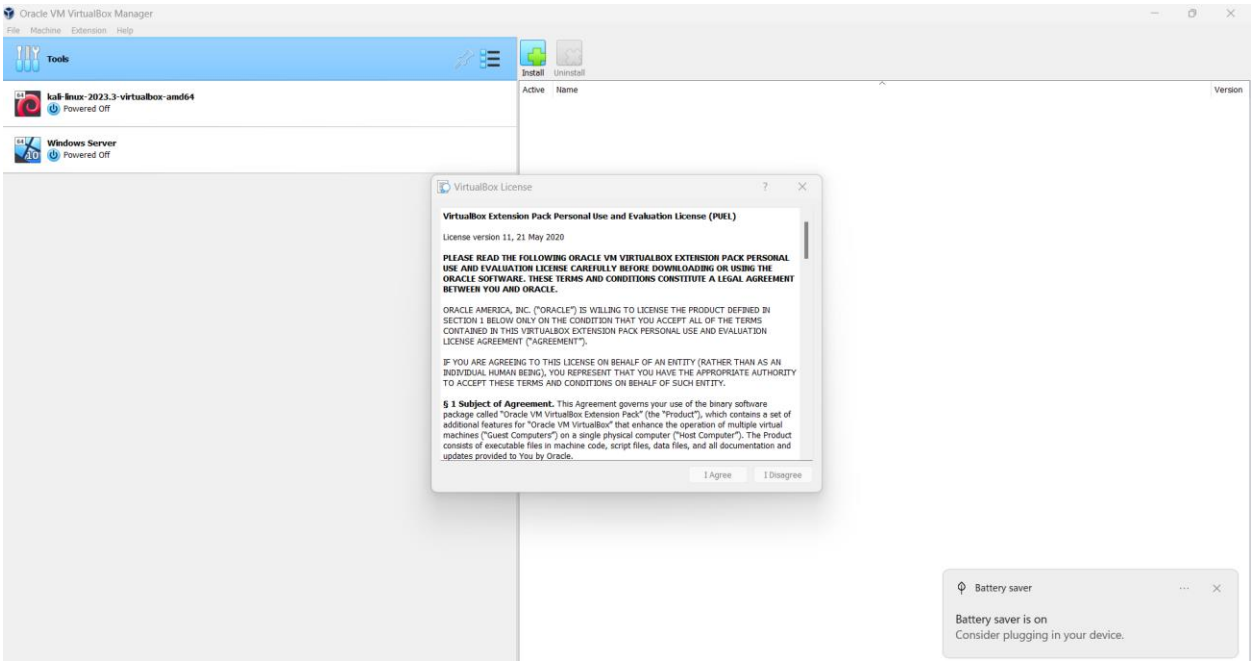
Step 19: Now, click on the **"Extensions"** tab and press the green **add (+)** icon on the right side. A dialog box will appear. Navigate to the extension pack file you downloaded earlier, select it.



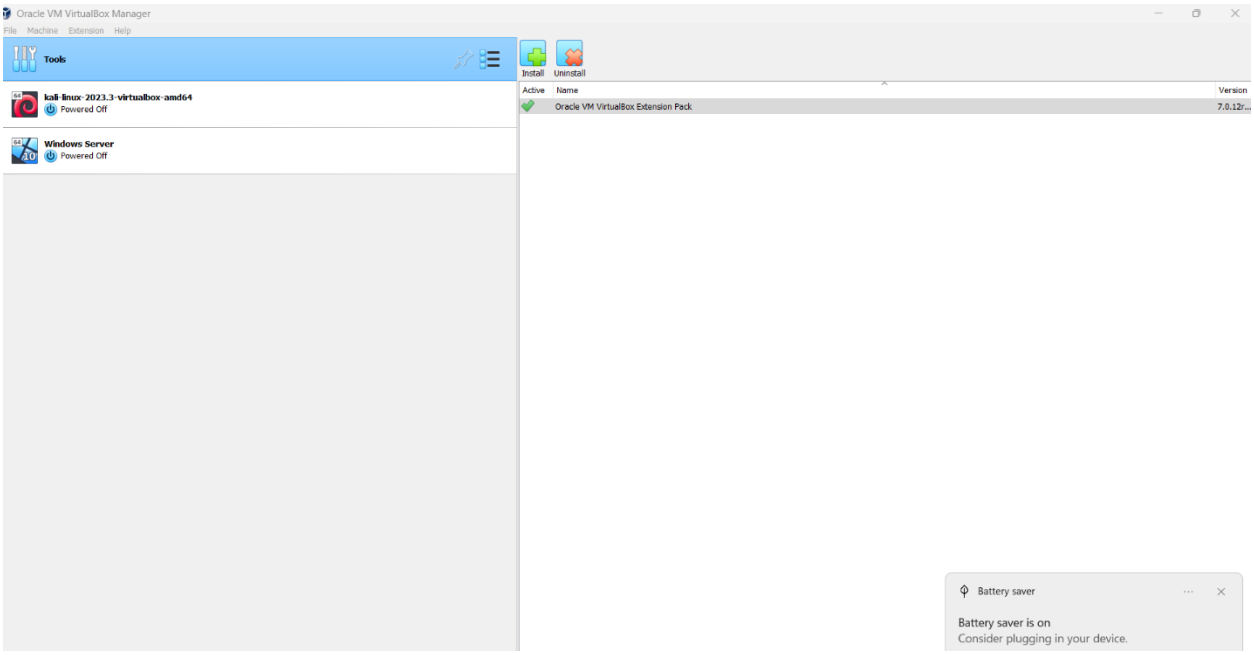
Step 20: And then click **Install** to proceed with the installation.



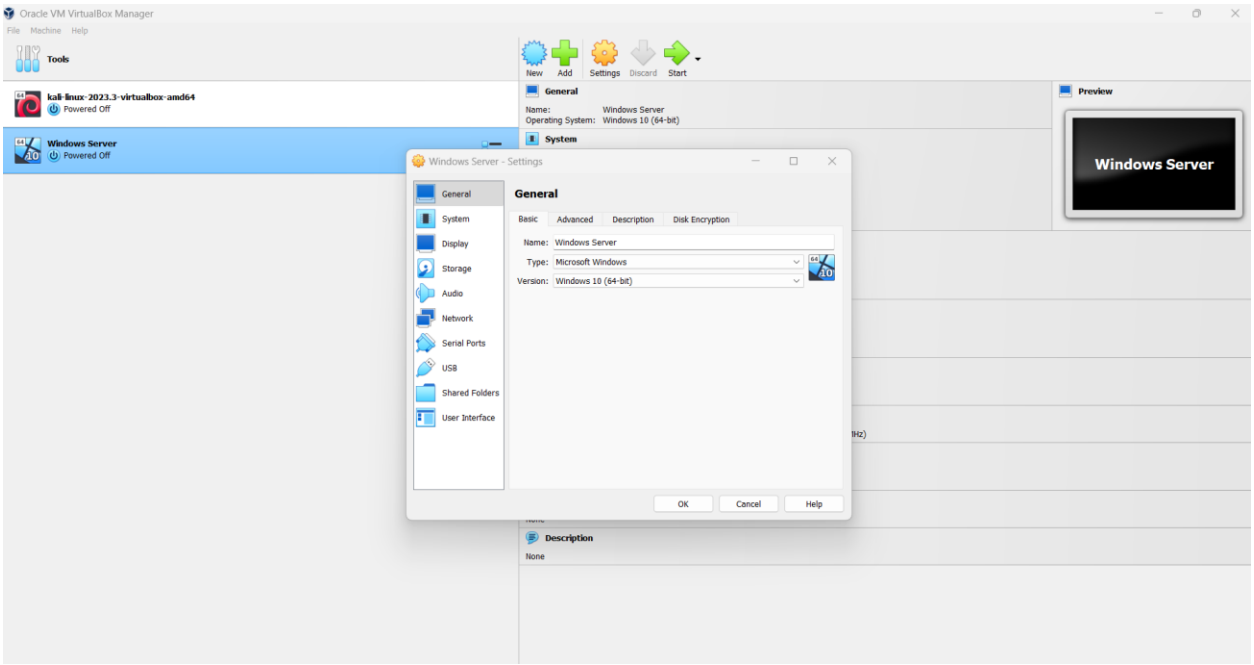
Step 21: Click on “I Agree”.



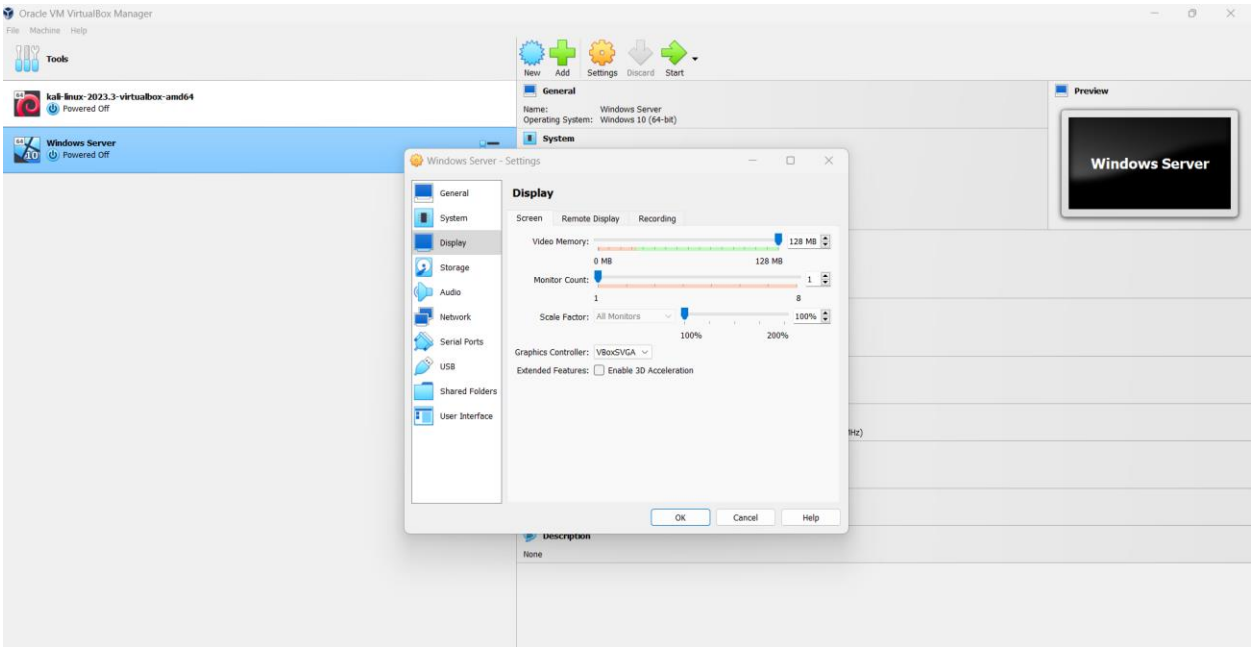
Step 22: Now extension pack is installed.



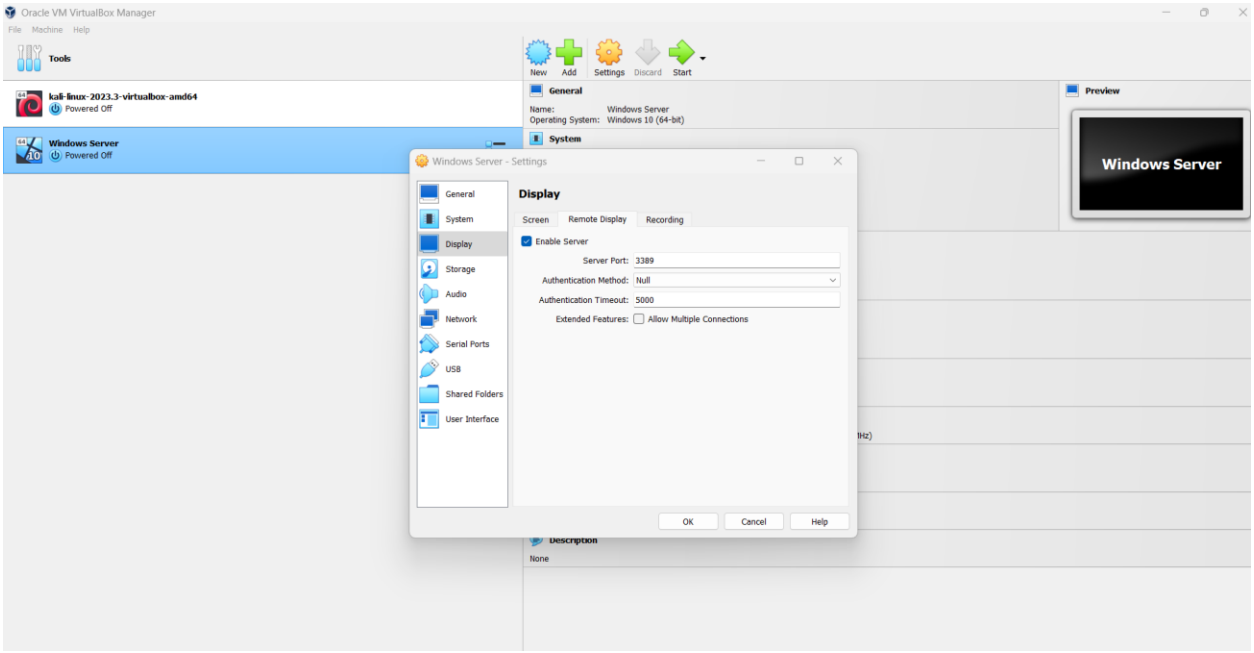
Step 23: Go to window server settings.



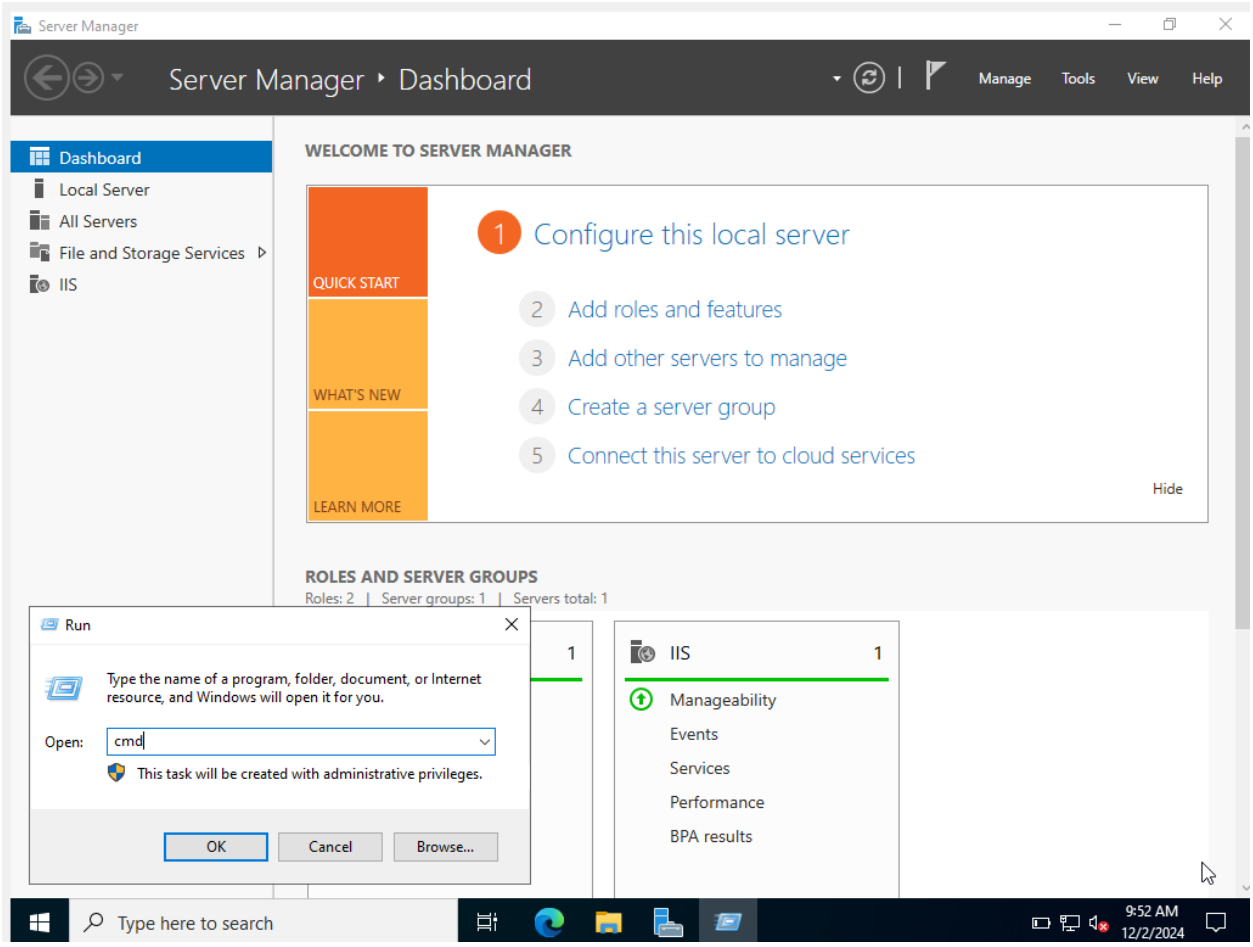
Step 24: Click on **"Display"** in the settings



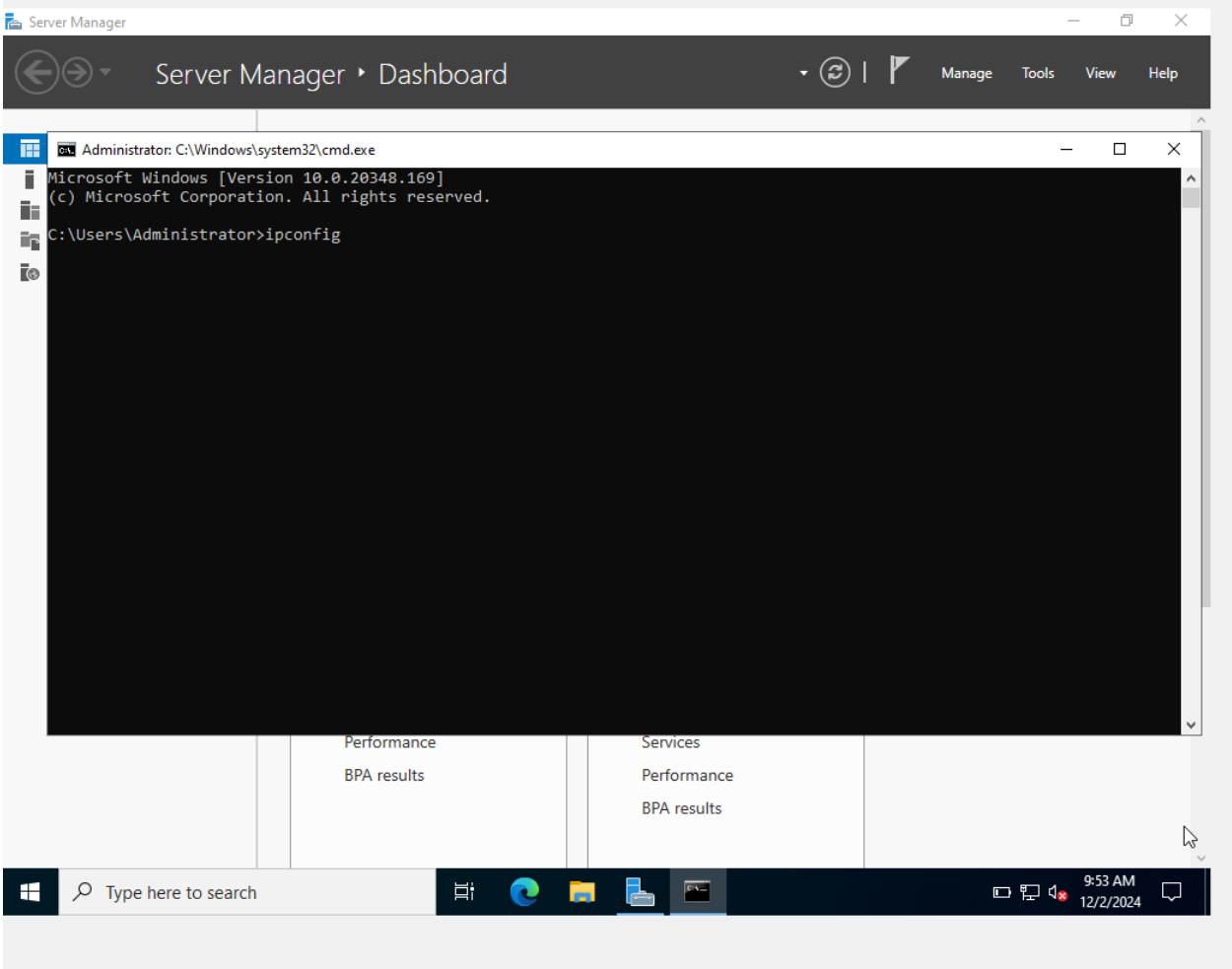
Step 25: Then go to the **"Remote Display"** tab. Check the box to **Enable Server**, and click **OK** to save the changes. This will allow remote display connections to your Windows Server 2022.



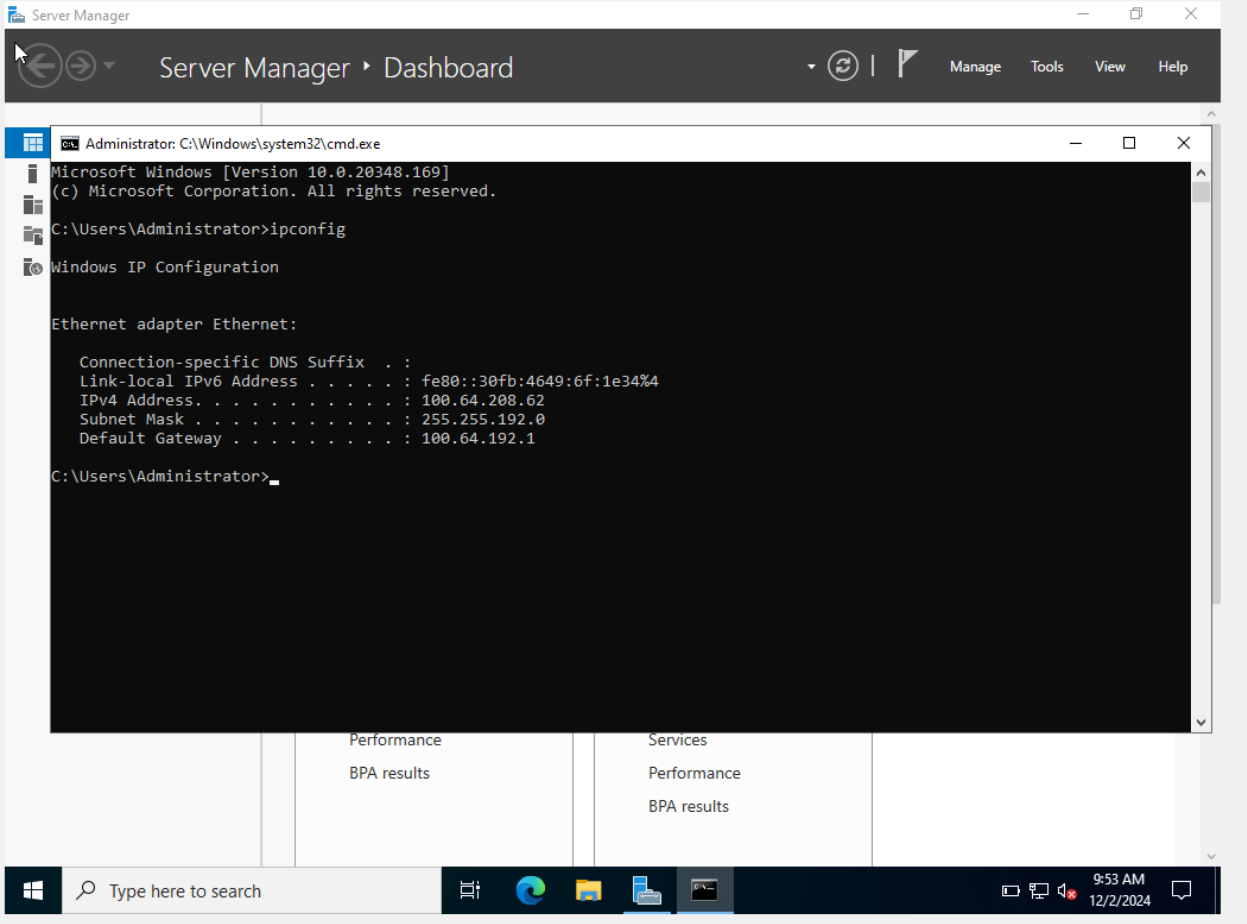
Step 26: Open run and type “cmd”.



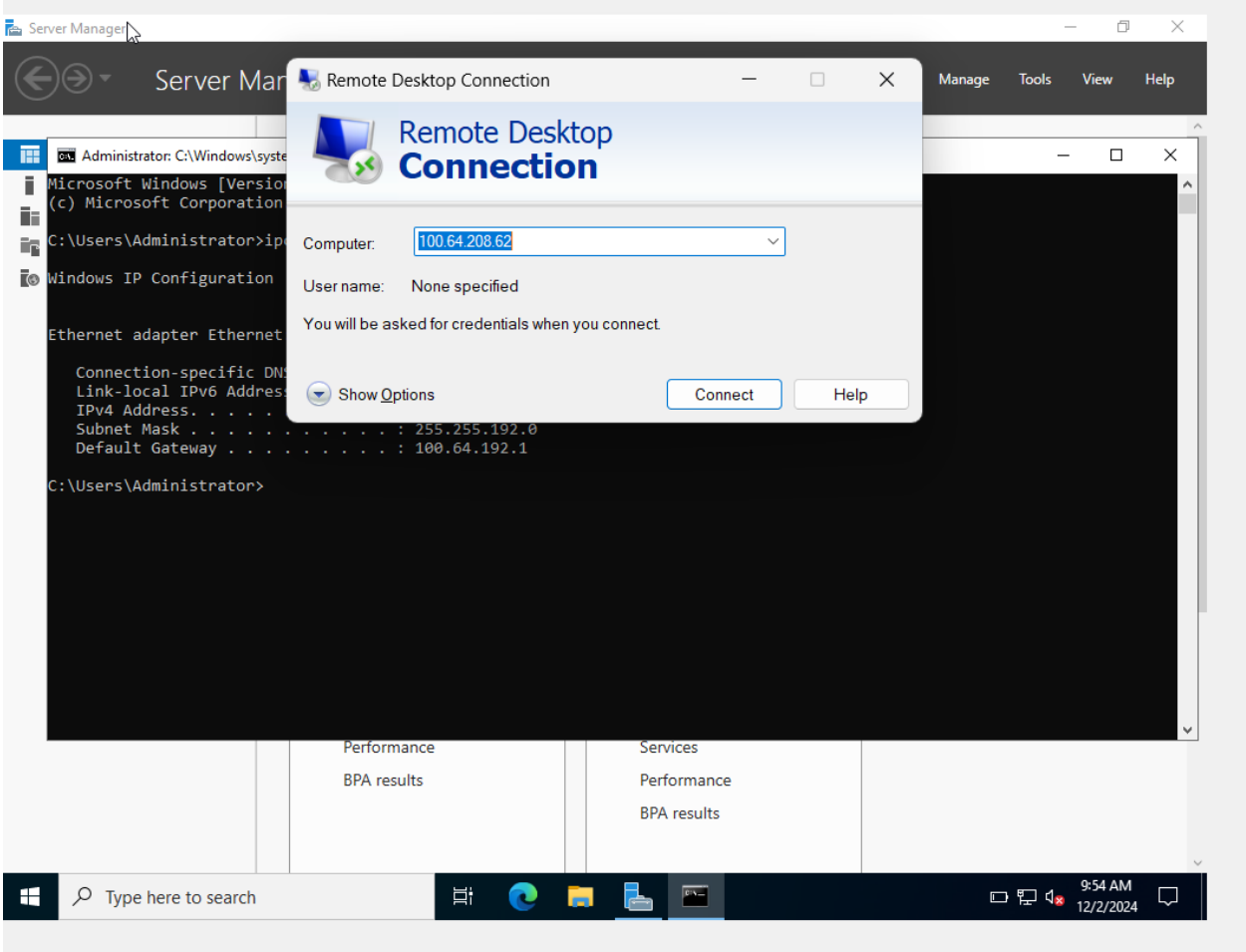
Step 27: Write command “ipconfig”



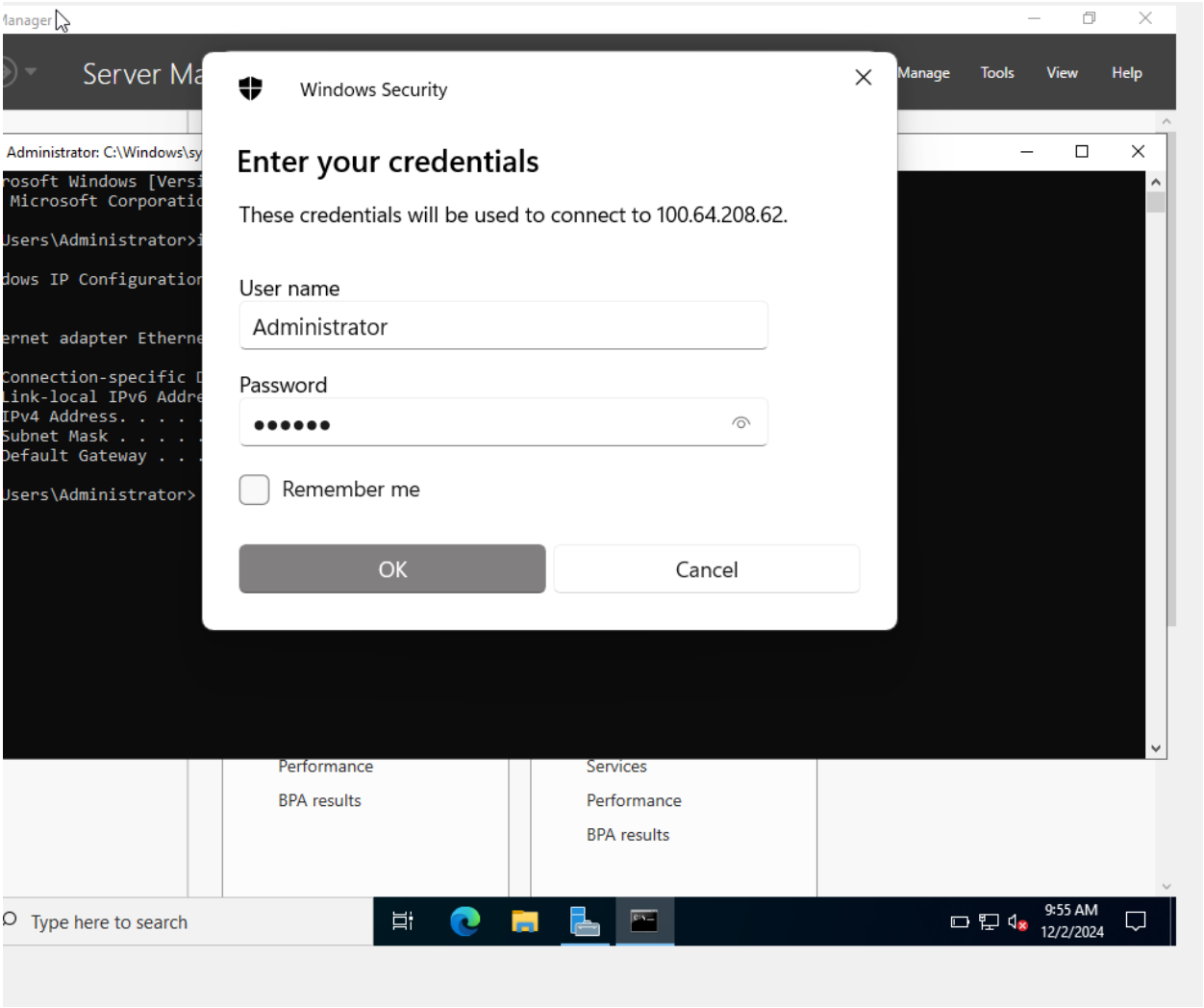
Step 28: Start your Windows Server 2022 and check the IP address of your Guest OS. This will be needed to establish the connection.



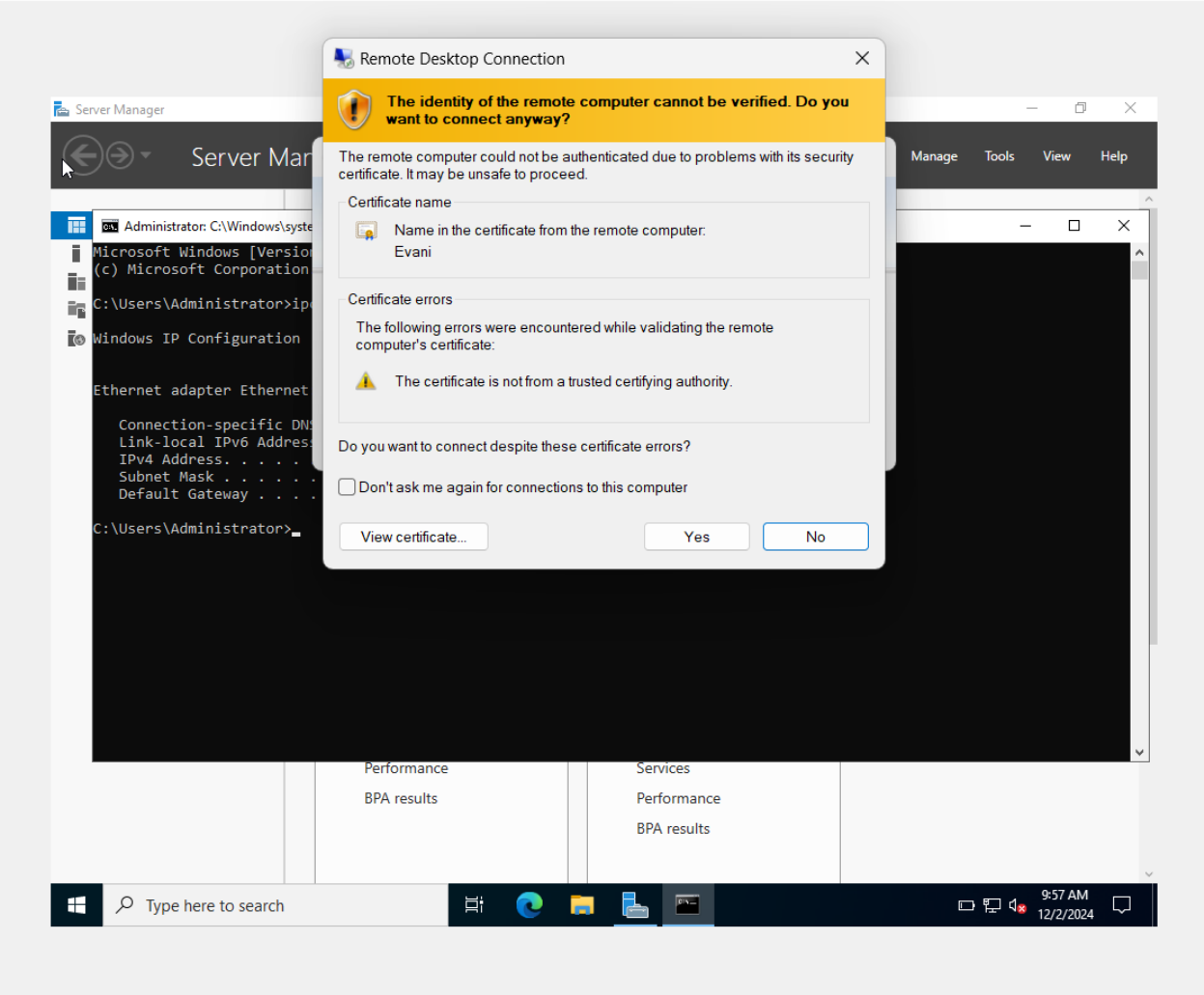
Step 29: Open **Remote Desktop Connection** on the Host OS, enter the IP address of the Guest OS, and click **Connect** to establish the remote connection.



Step 30: Put username as “Administrator” and your password.



Step 31: Press “Yes”



Step 32: And that's it! You can now successfully access your Guest OS from the Host OS using Remote Desktop.