**Workshop 5**

**Objective**:

* Host static websites in guest OS which is windows server 2022 and access it from host OS as well as from other computer devices within the same LAN.
* Enable remote desktop features in windows server 2022 and access it from host OS.

**Let’s first host our static website in Windows Server 2022.**

**Step 1;** Open Virtual Box and select the virtual environment. After selecting the virtual environment, select the “**Settings**” button.

**Step 2;** Now click on **Network** and under network select **Bridged Adapter** in Attached to option on right side. Now click on **Ok** button and run our Windows Server 2022.

**Step 3;** As like from last workshop place your website files in Local Disk C drive in Windows Server 2022.

**Step 4;** Open run and type **“inetmgr”.** It will open our Internet Information Service from where we can setup hosting.

**Step 5;** Expand the server name and right click on “**Sites”** and click on the “**Add Website”** option like in the last workshop.

**Step 6;** Now we need to add details of our website as follows:

* Under Site name give any name you desire
* Under Physical path give path to the folder where our website files are located
* Under IP address select the given IP address from the dropdown option.

**[Note: Whenever you change your network, like from home to college, your IP address will be changed and need to change it in order to get access]**

Leave other options as default and click on “**Ok**”.

**Step 7;** Now we can see our site name on the list. Now let’s browse our site by clicking on **“Browse”** followed by your IP address on the right side. This will open our website in browser.

You can see your website is live now:

**Step 8;** Type the IP address of Guest OS in the browser of Host OS and see if your website is accessible from Host OS or not.

**Step 9;** Also open the website from your smartphone by typing IP address of Guest OS and see if it is accessible from your phone or not.

**[Note: Your phone and Server must be on same network]**

**Connect your windows server from Host OS also using remote connection.**

**Considering the VM’s above setting now we are heading towards remote connection to Guest OS from Host OS.**

**Requirements:** We need to download the Extension pack for virtual box. First confirm the version of Virtual box that you have and download the extension pack from the following link: <https://download.virtualbox.org/virtualbox/>

Select the right version of the virtual box that you have.

You can check version of your virtual box by clicking on **Help** on Virtual Box manager and then click on **About Virtualbox.**

After clicking on your version of link, click on the extpack and download it.

**After downloading the extension pack. Follow the following steps:**

**Step 1;** Close all the VMs running including Virtual Box. And open virtualbox with “**Run as Administrator”.**

**Step 2;** Click on “**Tools”** which is on top. After then, click on **Preferences.**

**Step 3;** Now click on **Extensions** tab and press green **add (+)** icon which is on the right side.

**Step 4;** It will open a dialog box. Navigate to the extension pack file that we have downloaded earlier and select that. After selecting that click on **Install**.

**Step 5;** Now close the tab and select the Server 2022 Virtual Environment and click on **Settings**.

**Step 6;** Click on **Display** and click on **Remote Display** and click on **Enable Server** and click **Ok**.

**Step 7;** Now start our Windows Server 2022 and see your IP address of your Guest OS. Use **ipconfig** command on Command Prompt.

**Step 8;** Open Remote Desktop Connection from Host OS and insert IP of Guest OS and click on **Connect.**

**Step 9;** Boom. Now we are able to access our Guest OS from Host OS using Remote Desktop.