

DAY 21

DATE:21/05/2025

NAME: ANNIE JOHN

USER ID:27739

Batch: 25VID0885_DC_Batch4

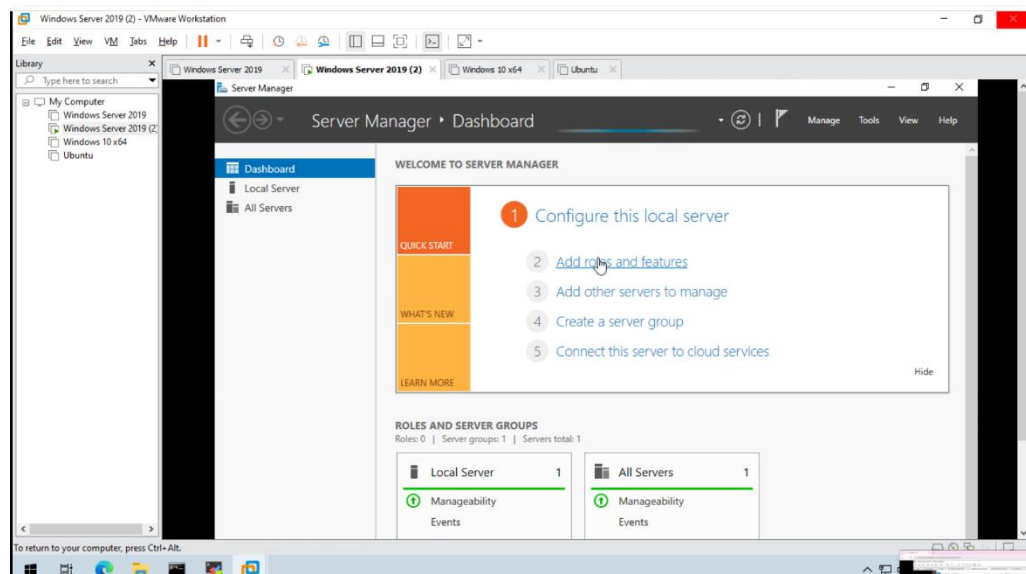
TITLE: INSTALLATION AND CONFIGURE IIS WEB SERVER ON WINDOWS SERVER 2019

➤ **OBJECTIVE**

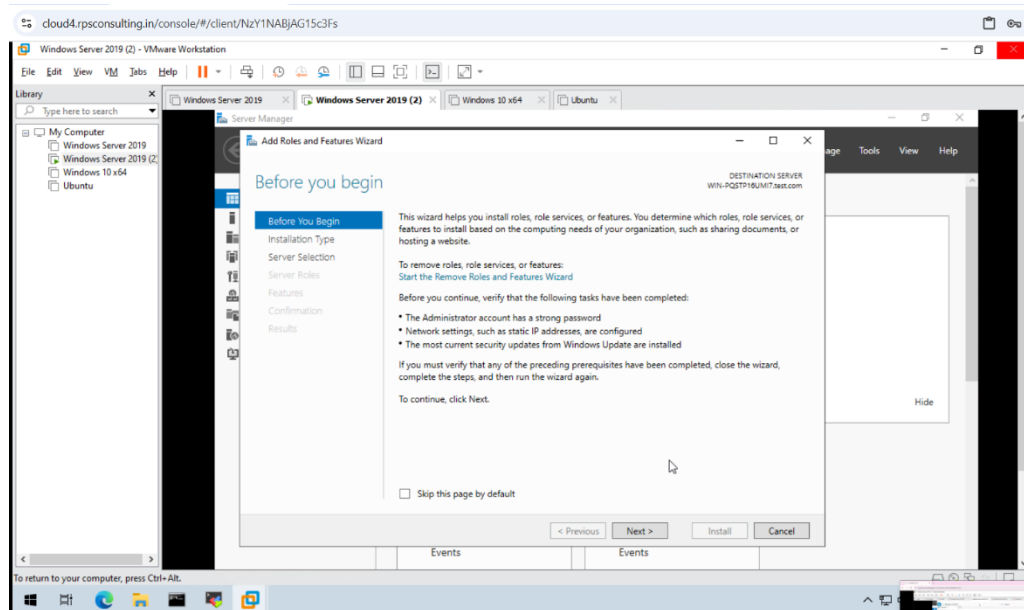
This lab aims to equip users with the practical skills needed to install, configure, and manage the Internet Information Services (IIS) Web Server on Windows Server 2019. Participants will gain hands-on experience deploying a basic website and optimizing web server settings for performance and security, building a foundational understanding of Windows-based web service administration.

➤ **INSTALLATION PROCESS**

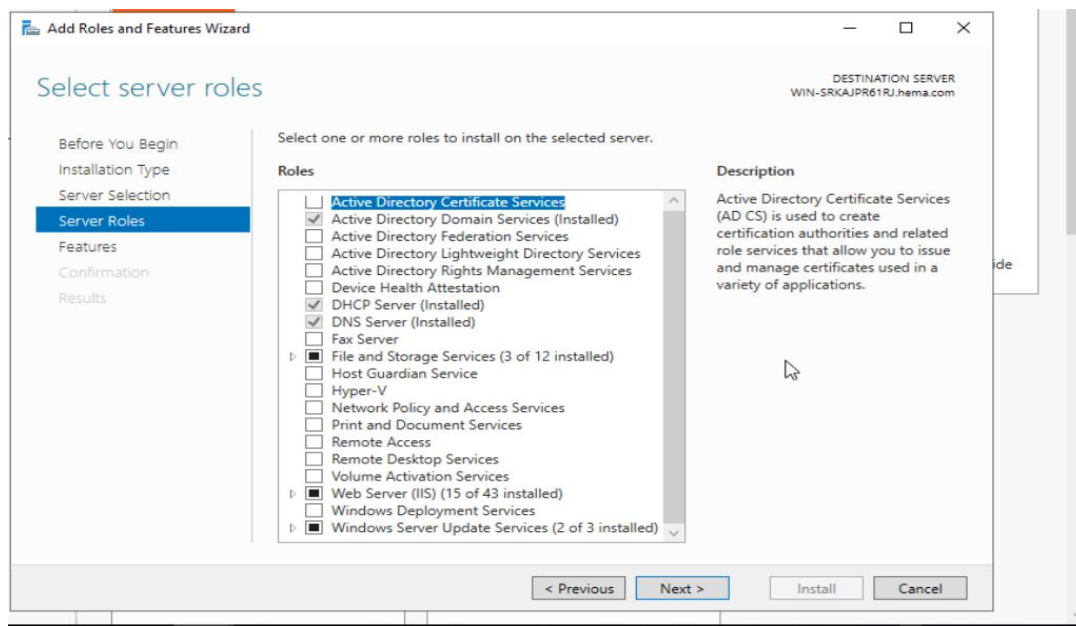
1. Open Server Manager on your Windows Server 2019. Click on Manage, then select Add Roles and Features.



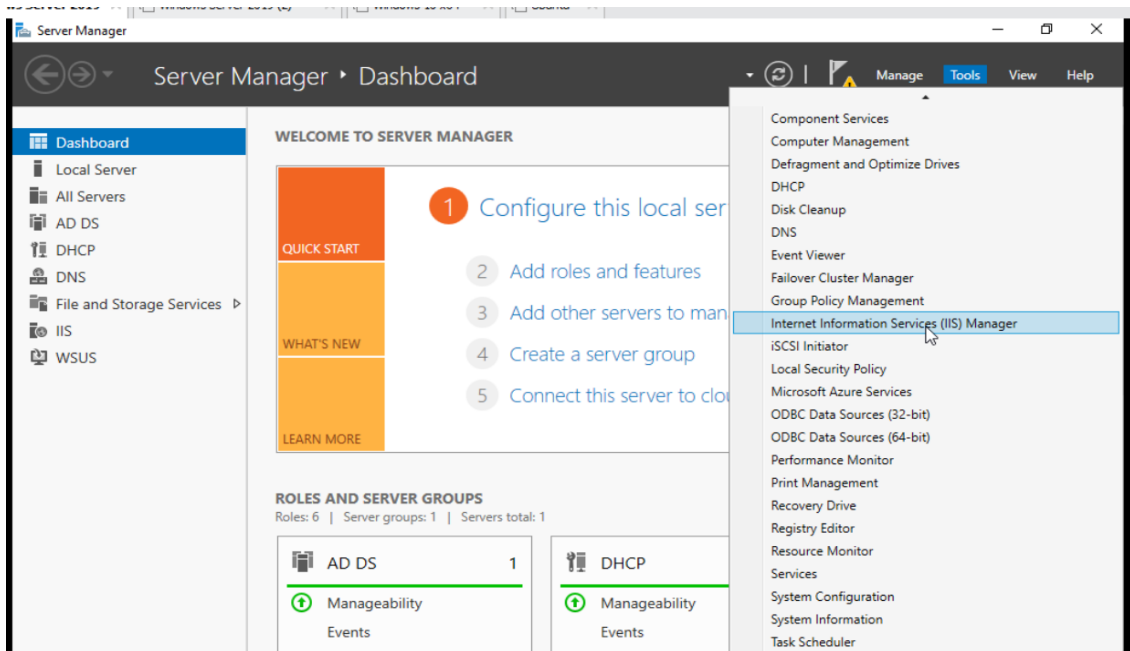
2. Add Roles and Features window will appear -> Click Next to continue.



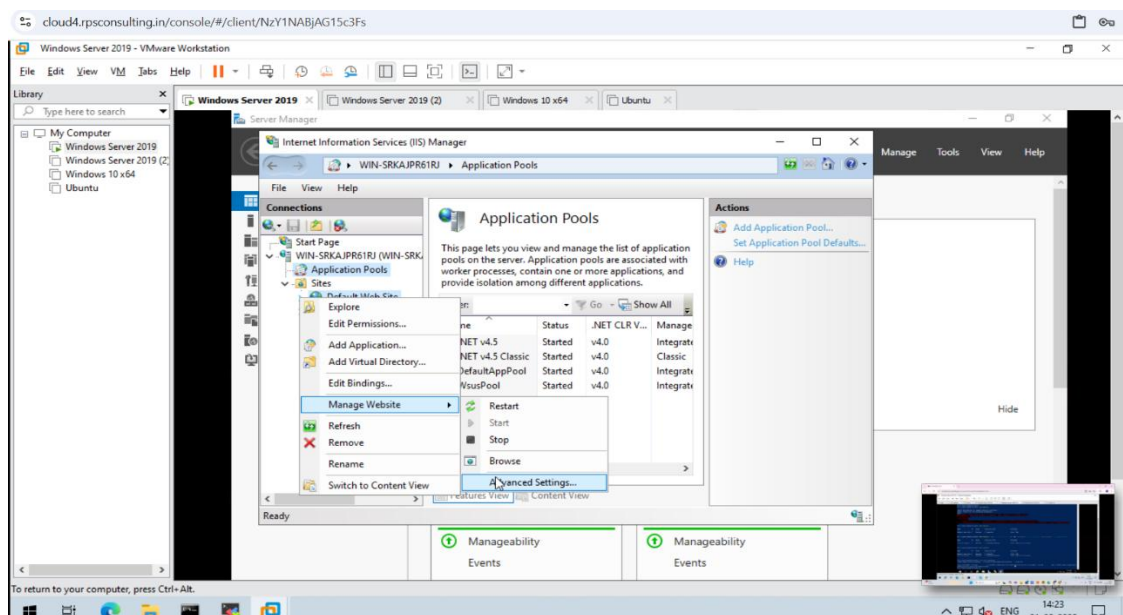
3. Click Next->Select Web Server and add all features, Keep the features as they are and click Next again->Click Install and wait for the installation to complete. (Here it's already installed otherwise do the step mentioned before and install and restart the server).



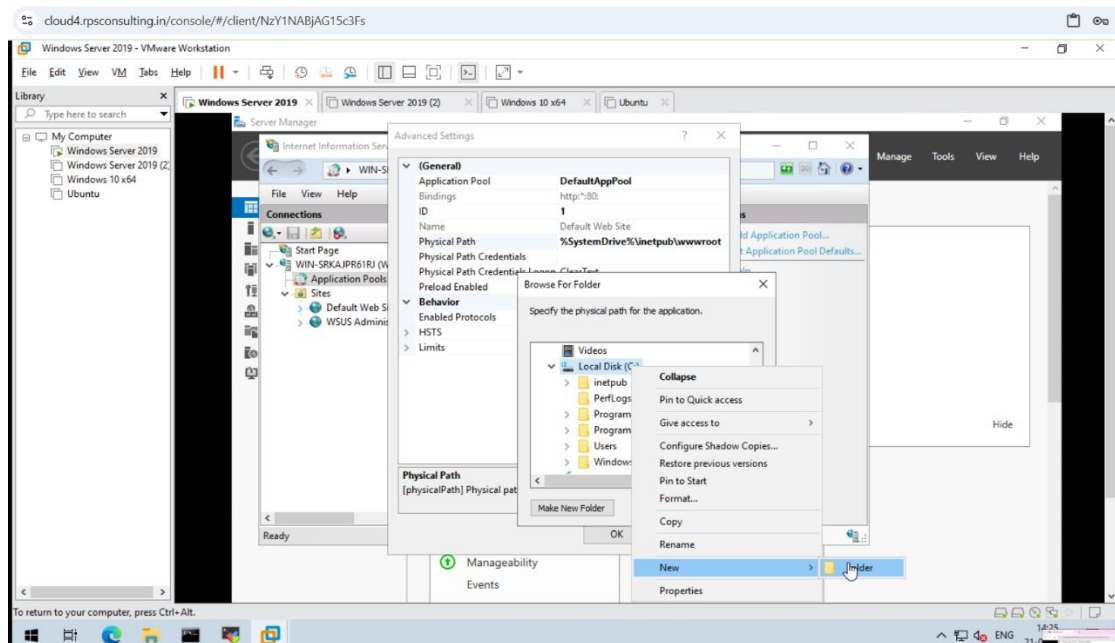
4. Click on Tools, then open Internet Information Services (IIS) Manager.



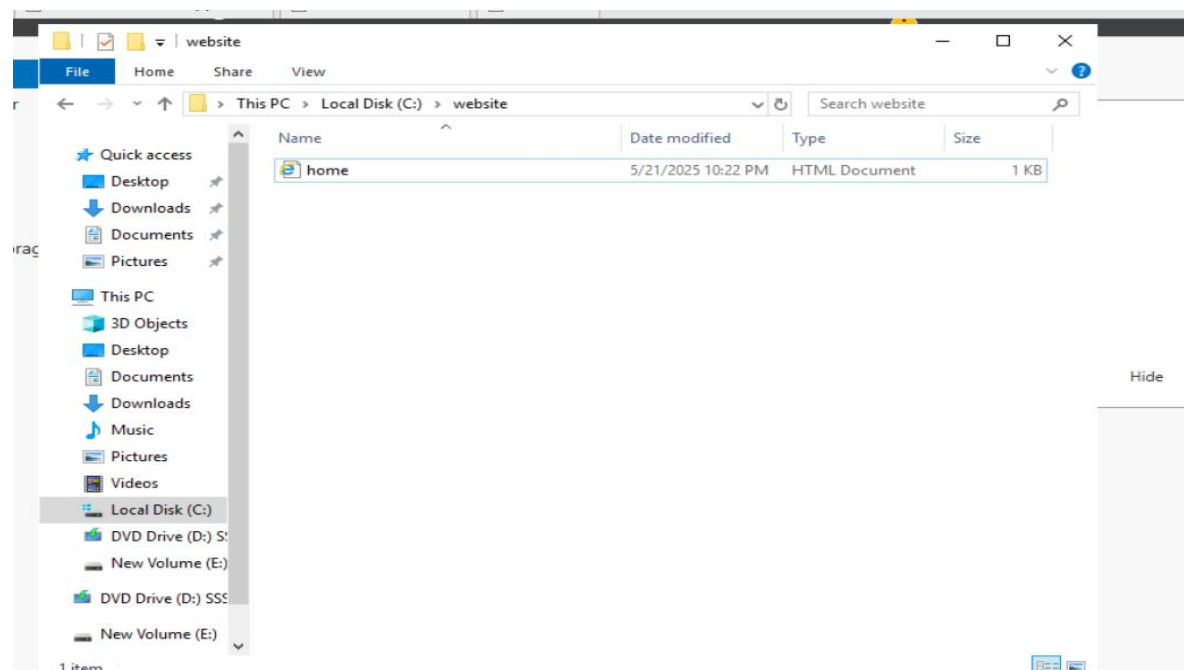
5. Right-click on Default Site, go to Manage Website, and select Advanced Settings.



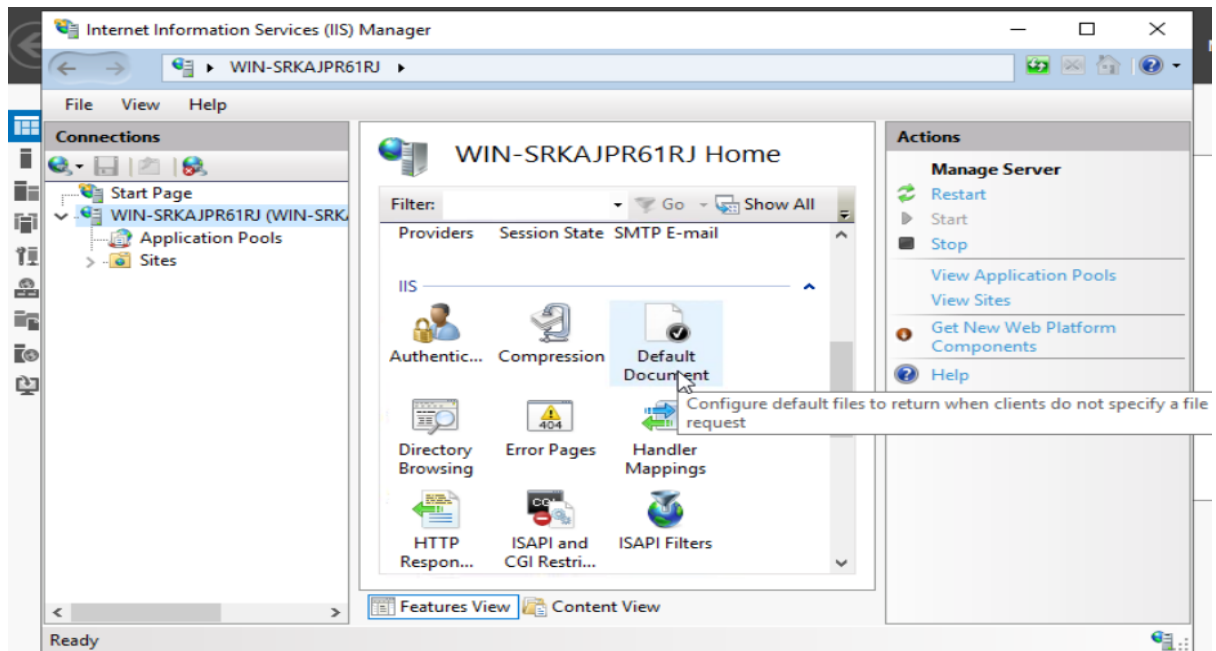
6. In Advanced Settings, click on Physical Path and open the C drive. Create a new folder inside c drive name it as website then click ok.



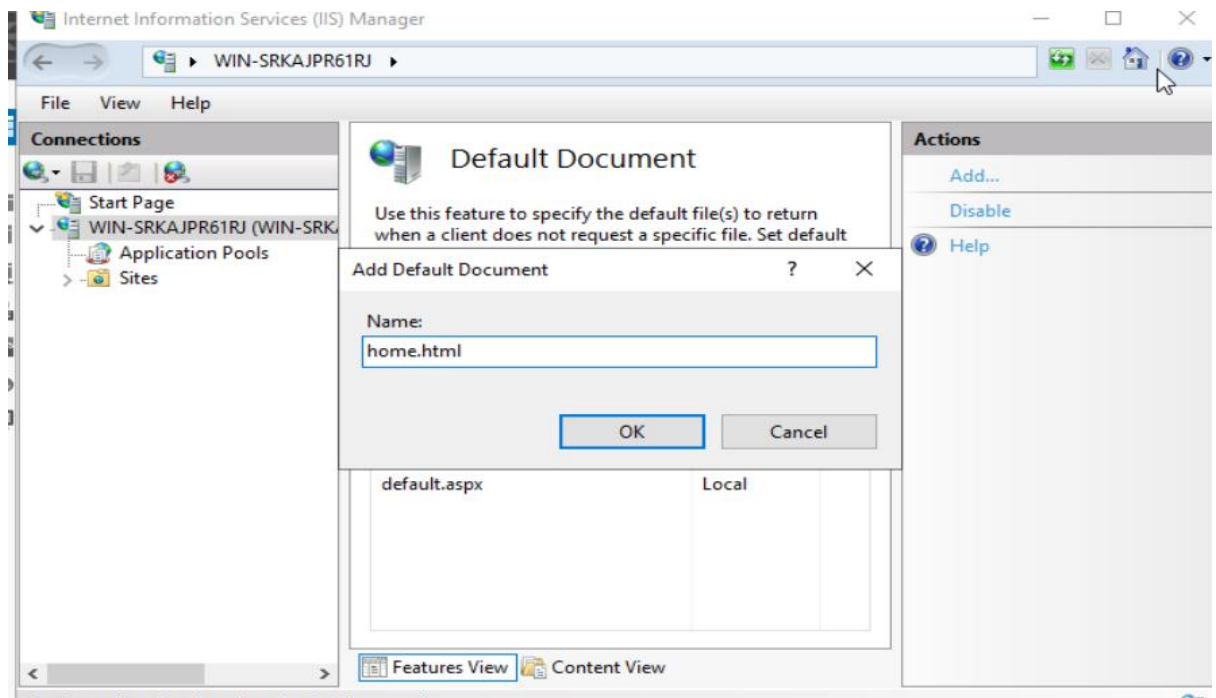
7. Open CMD, type ipconfig, and find your IPv4 Address. Note it down.
8. Open your browser, type your IP address in the URL bar, and press Enter.
An error page occurs.
9. Go to the C drive and open the Website folder. Create a new HTML file inside the folder and name it home.html.



10. Open Internet Information Services (IIS) Manager. Go to Default Web Site, then open Default Document.



11. In Default Document, click Add in the Actions tab. Enter your HTML file name (e.g., home.html), then click OK.



12. Open PowerShell, run as administrator and enter the commands provided.

- Get-website
- Mkdir c:\inetpub\newsite

- New-website -name "rx-7.srv.world" -port 80 -hostheader "rx-7.srv.world" -physicalpath "c:\inetpub\newsite"
- Get-website
- Curl.exe localhost.
- Get-windowsfeature -name *iis*
- Install -windowsfeature -name web-server-includemanagementtools.

```
Windows PowerShell
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PS C:\Users\Administrator> get-website

Name      ID      State      Physical Path      Bindings
----      -
Default Web Site 1      Started      C:\Website          http *:80:

PS C:\Users\Administrator> mkdir c:\inetpub\newsite

Directory: C:\inetpub

Mode                LastWriteTime         Length Name
----                -
d-----          07-02-2025         15:40      newsite

PS C:\Users\Administrator> new-website -name "rx-7.srv.world" -port 80 -hostheader "rx-7.srv.world" -physicalpath "c:\inetpub\newsite"

Name      ID      State      Physical Path      Bindings
----      -
rx-7.srv.world 2      Started      C:\inetpub\newsite  http *:80:rx-7.srv.world

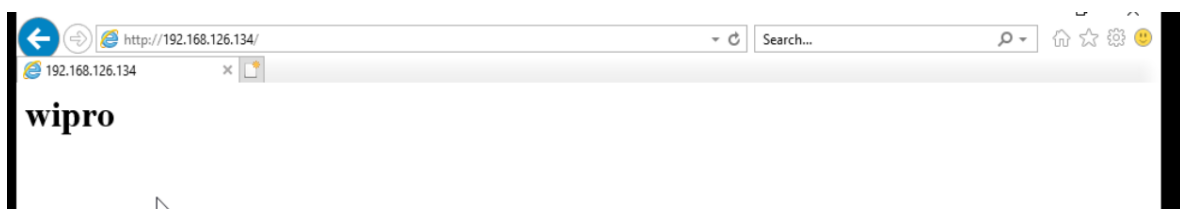
PS C:\Users\Administrator> get-website

Name      ID      State      Physical Path      Bindings
----      -
Default Web Site 1      Started      C:\Website          http *:80:
rx-7.srv.world 2      Started      C:\inetpub\newsite  http *:80:rx-7.srv.world

PS C:\Users\Administrator> curl.exe localhost
<html>
<head>
<body>
<h1>This is a website>
</body>
</head>
</html>
PS C:\Users\Administrator> curl.exe rx-7.srv.world
curl: (6) Could not resolve host: rx-7.srv.world
PS C:\Users\Administrator> get-windowsfeature -name *iis*

Display Name      Name      Install State
```

13. Open your browser, go to the URL bar, and type your ip. You will see your HTML site.



14. Completed

In summary, this guide showed how powerful PowerShell is for managing IIS on Windows Server. By using simple commands, we learned to install IIS, set up websites, and control the service, making server administration faster and easier