



 slington college
(इस्लिङ्टन कलेज)

Module Code & Module Title
Level 5 – Network Operating Systems

Assessment Type

Logbook 4

Semester

2023/24 Spring/Autumn

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Assignment Due Date: Thursday, November 23, 2023

Assignment Submission Date: Wednesday, November 22, 2023

Submitted To: Dipeshor Silwal

Word Count (Where Required): 621

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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Installing roles and features in windows server 2022 that helps to host a static website.

1. STEPS

1.1. Step 1

On our system, Windows Server 2022 was initially run through the Hyper-V manager. The Windows Server Manager dashboard was displayed once the user entered the password followed by clicking “Add roles and features” menu in the dashboard.

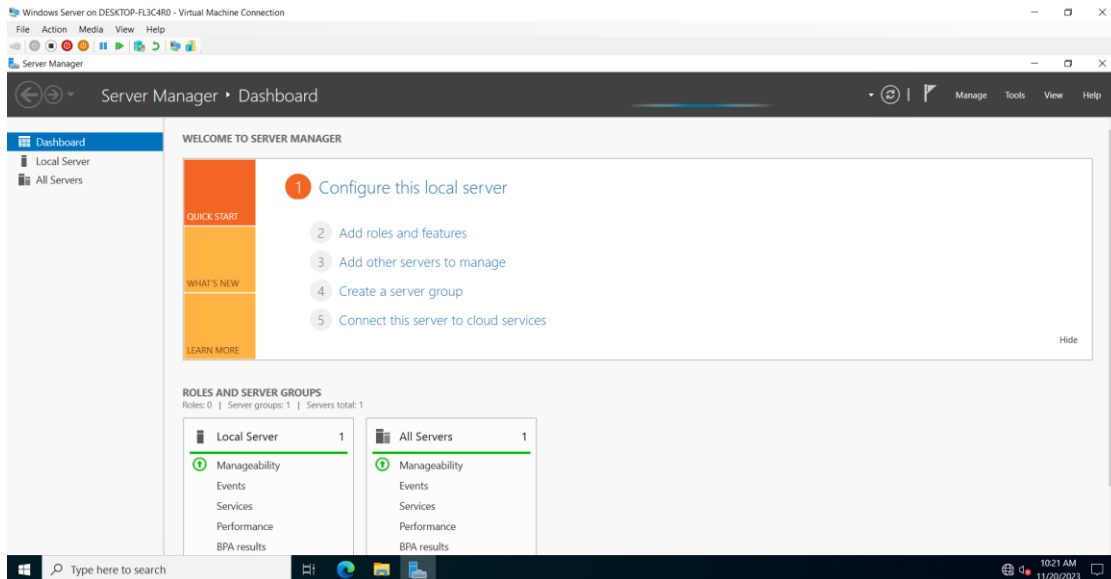


Figure 1: Server Manager Dashboard

1.2. Step 2

Next, the Add Roles and Features Wizard Window opened, and the next button was selected.

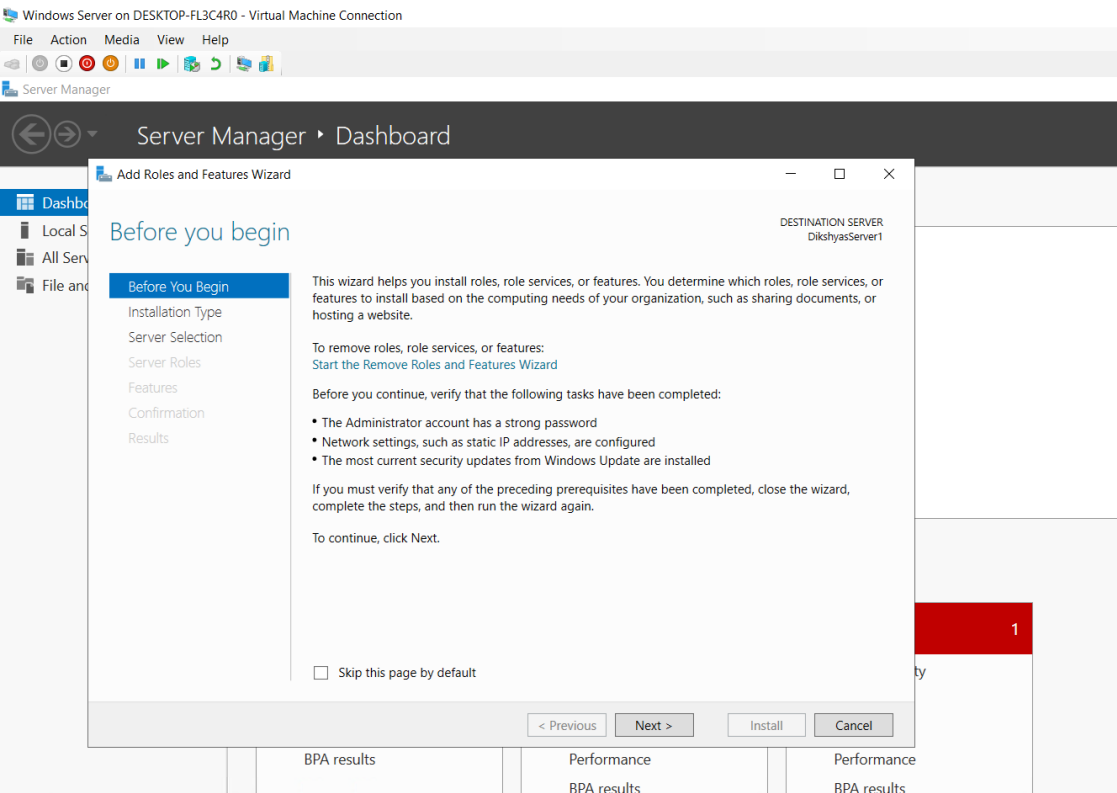


Figure 2: Adding Roles and Features

1.3. Step 3

Moving Further, “Role-based or featured-based installation” was selected from Installation type window.

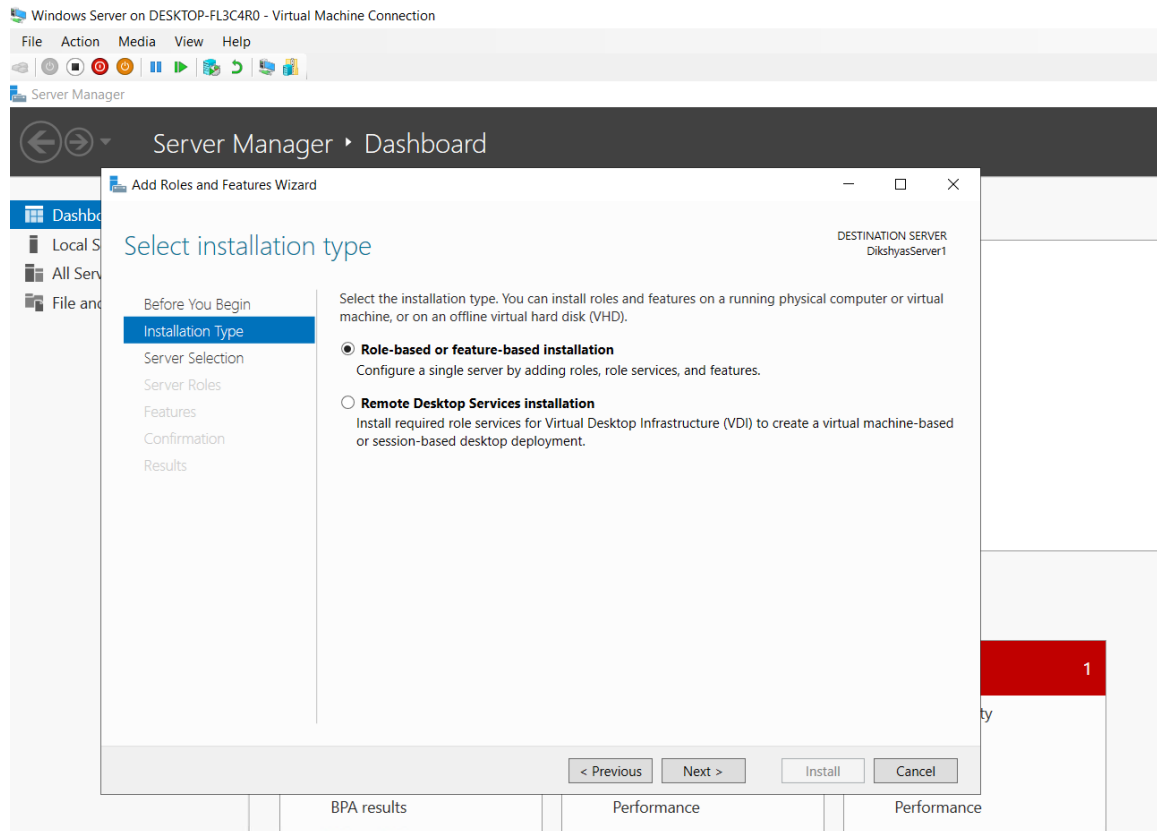


Figure 3: Selecting installation type.

1.4. Step 4

The server selection settings were set to default, and by selecting the next button, it was proceeded ahead.

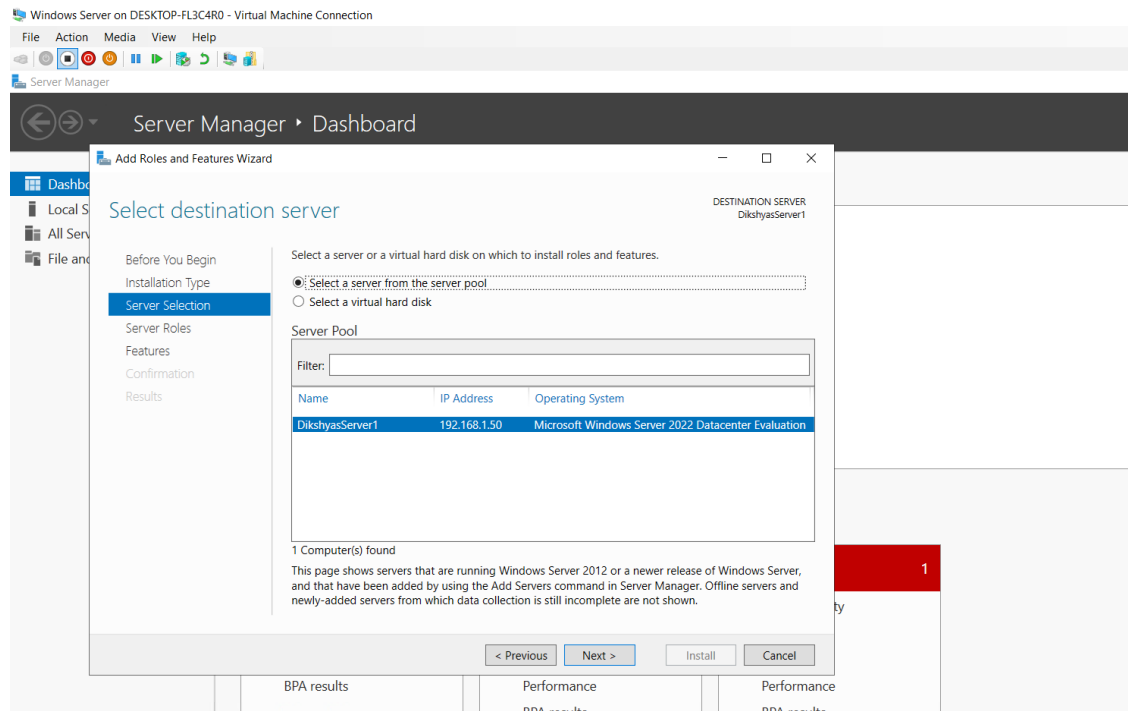


Figure 4: Selecting Destination Server

1.5. Step 5

To host a website, a new role in the server called Web Server must be added. This enables web applications to be hosted on servers. Hence, “Web Server (IIS)” feature was clicked from server roles menu followed by clicking “Add Features Button” which then added Web Server Role.

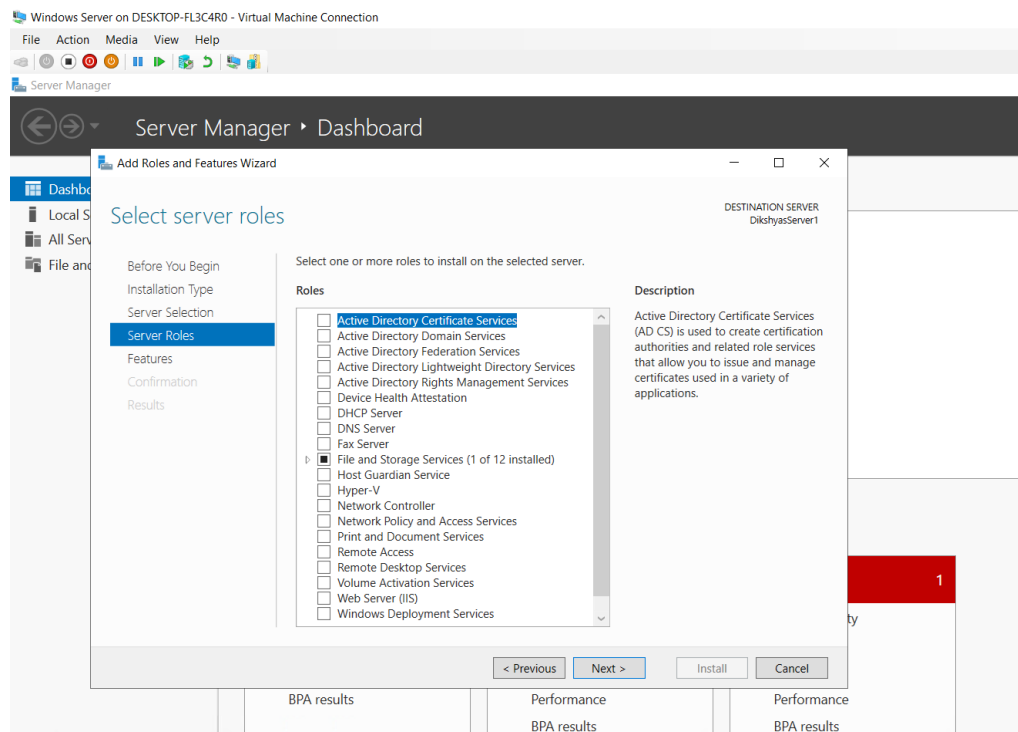


Figure 5: Selecting Server Roles

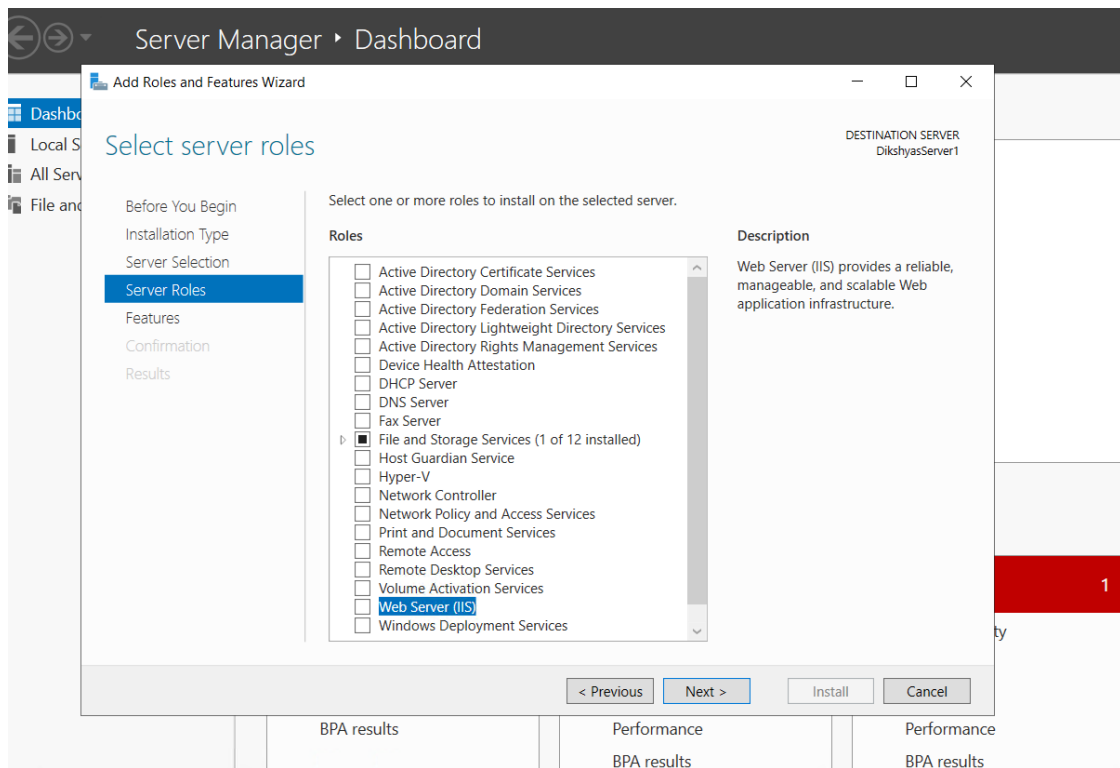


Figure 6: Selecting "Web Server (IIS)" as server role.

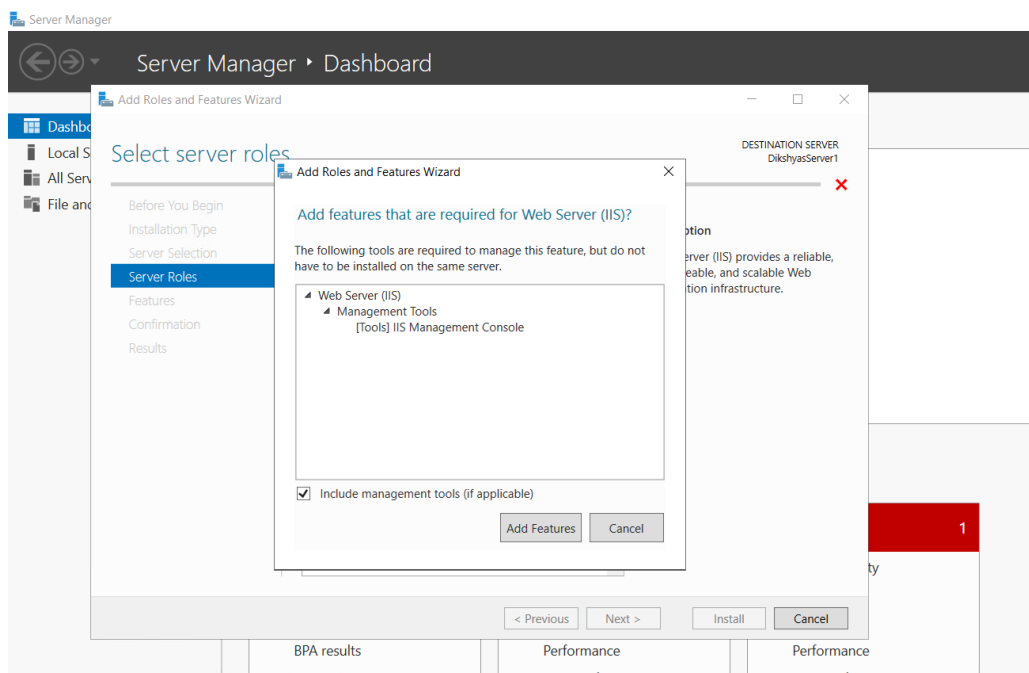


Figure 7: Adding Feature

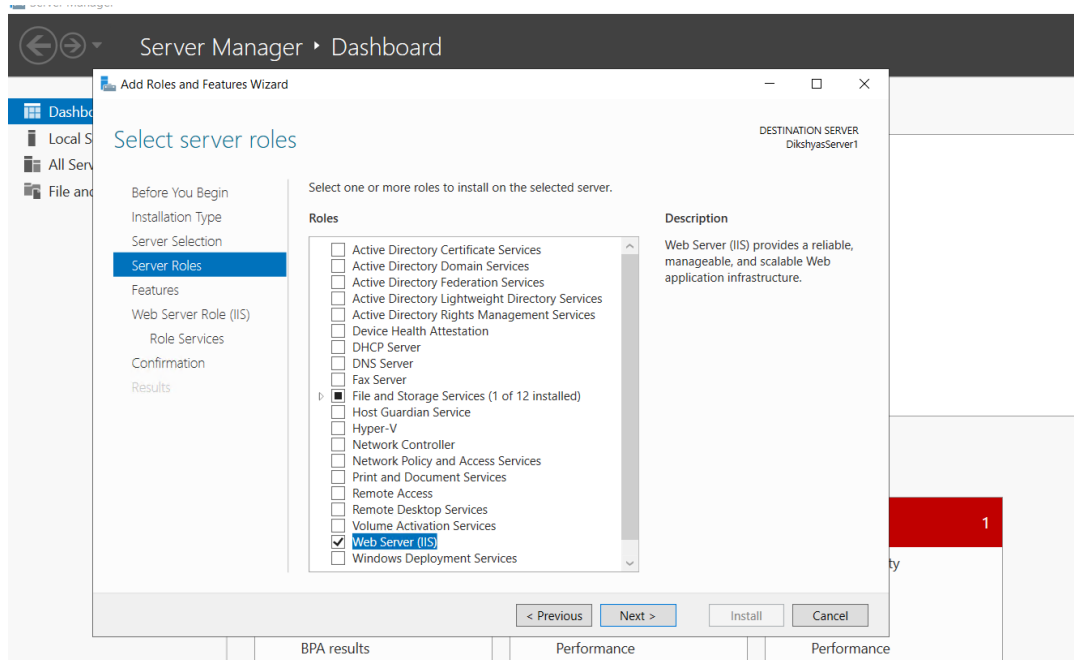


Figure 8: Selected Server Role

1.6. Step 6

Moving further, from Select Features menu, all the features were set to default and was proceeded ahead.

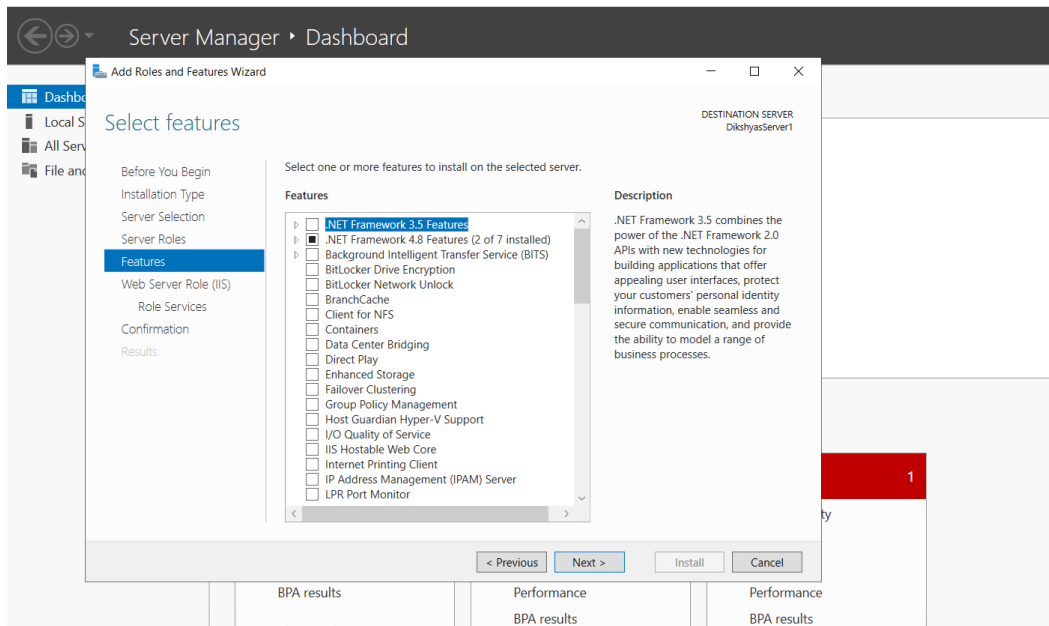


Figure 9: Setting Features to default.

1.7.Step 7

Following with Web Server Role (IIS) menu, next button was clicked.

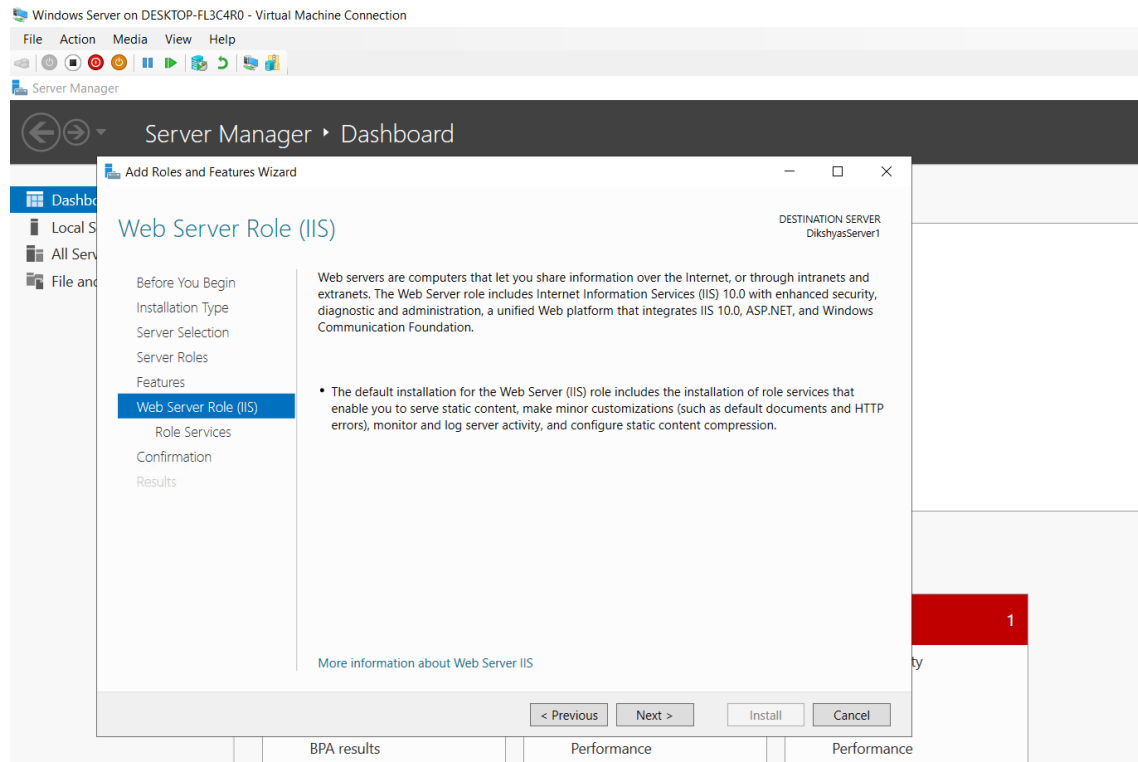


Figure 10:Information about Web Server Roles

1.8. Step 8

Similarly, Role Services was also set to default and next button was clicked.

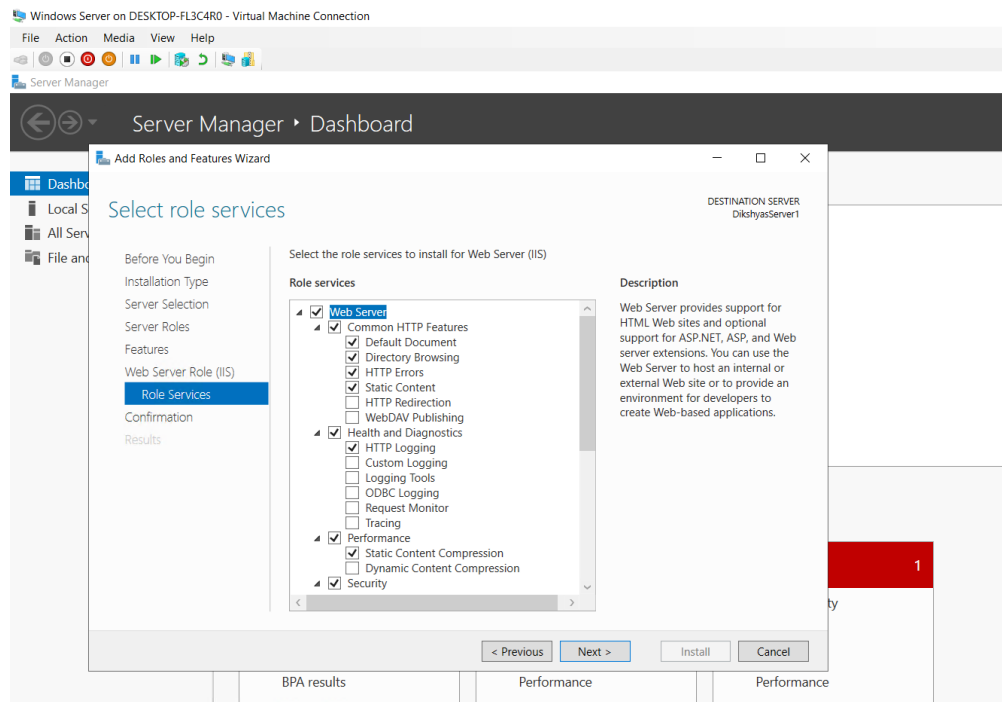


Figure 11: Setting Role Services to default.

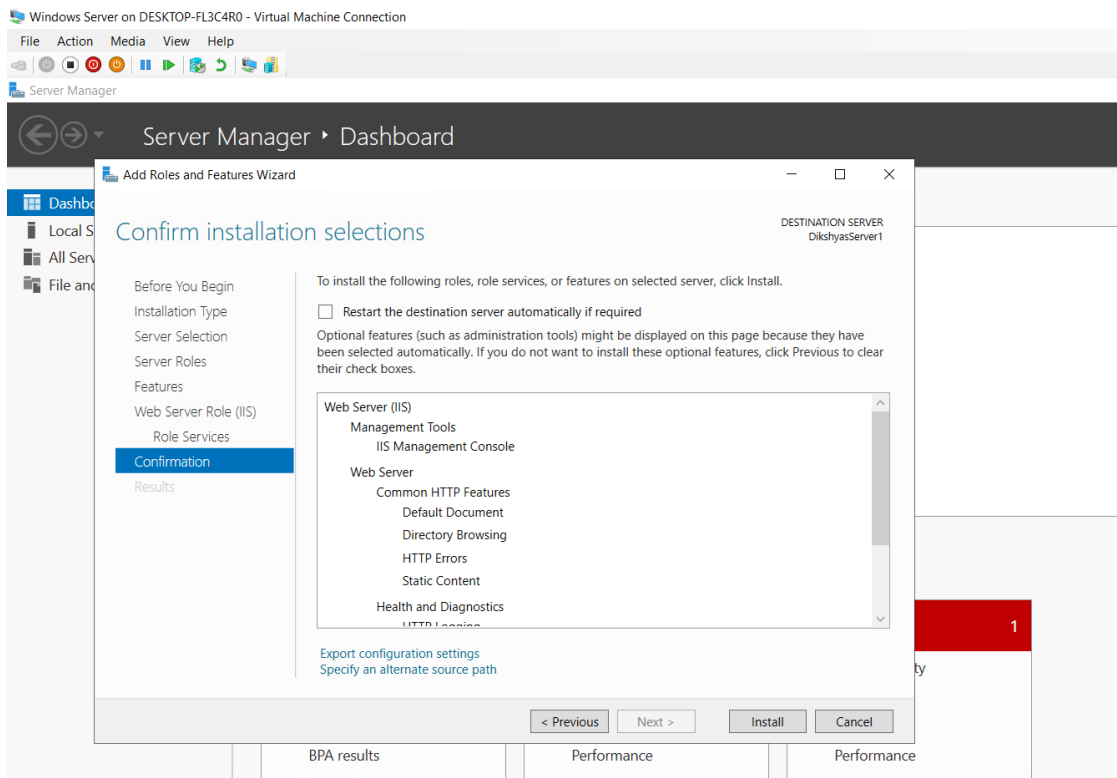


Figure 12: Confirming Installations

1.9. Step 9

Further, while confirming installation, “Restart the destination server automatically” option was ticked which displayed the small prompt to confirm the change and “Yes” button was pressed.

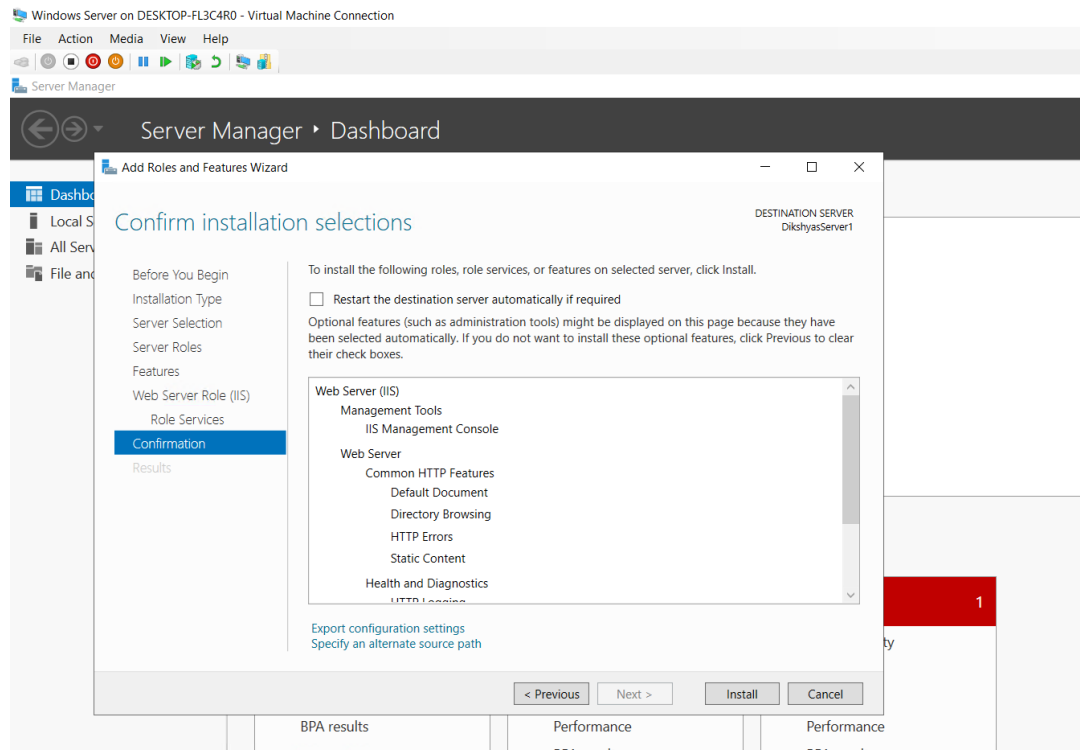


Figure 13: Setting automatic restart for destination server.

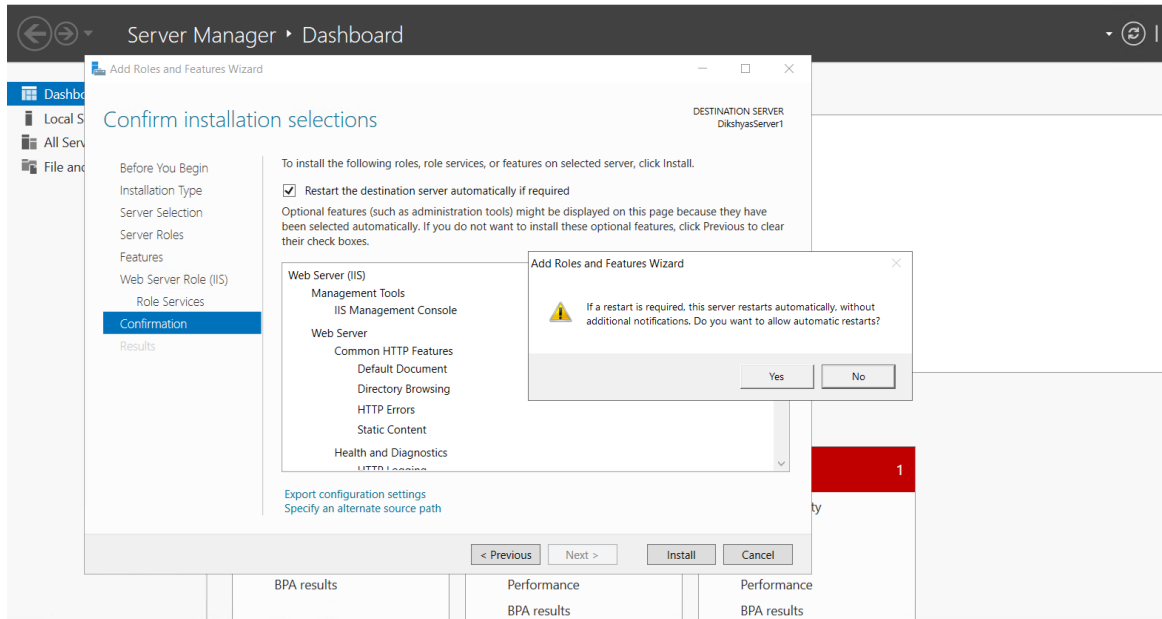


Figure 14: Confirming automatic restart.

1.10. Step 10

After all the process above, Installation started which took a little time.

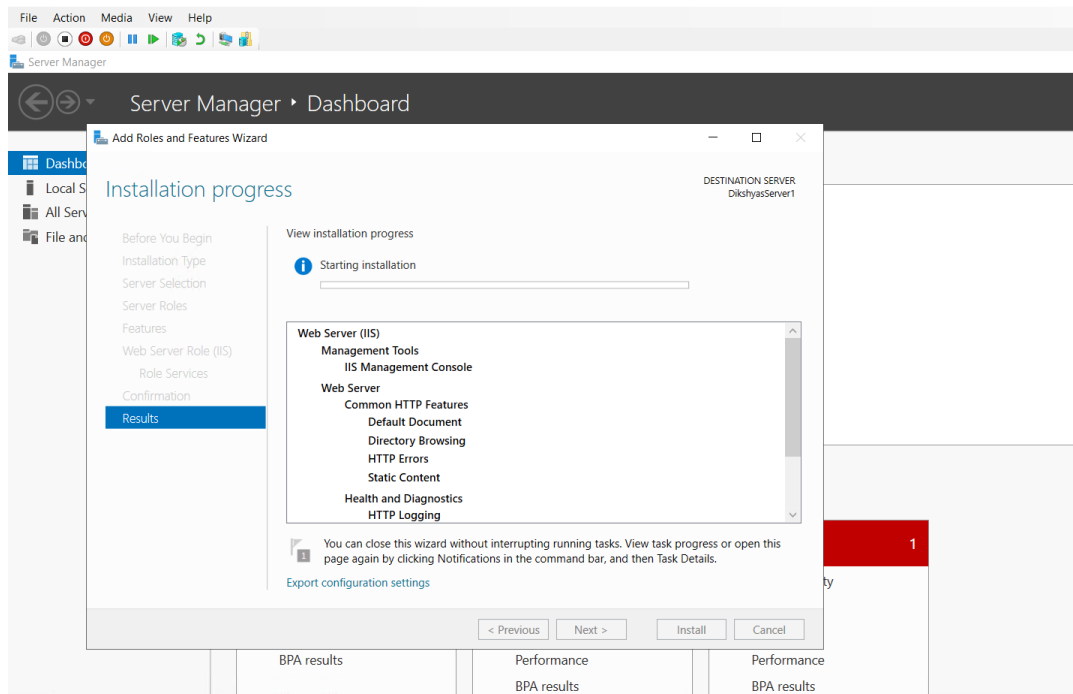


Figure 15:Start of Installation Process

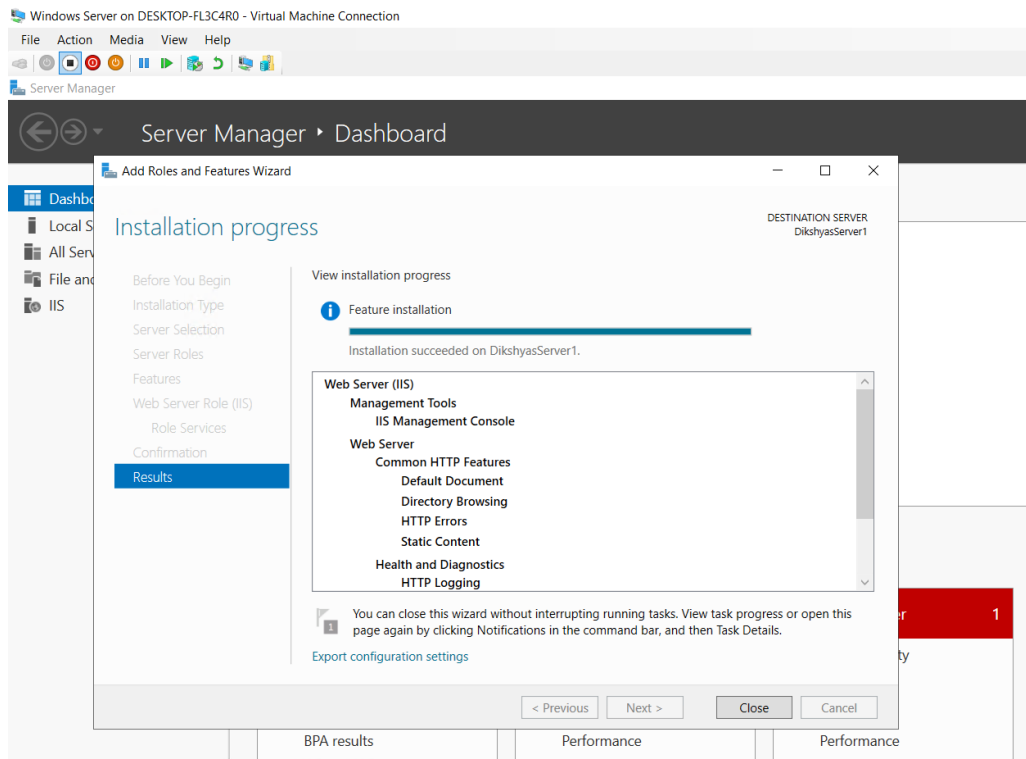


Figure 16: Installation succeeded.

1.11. Step 11

After, successful installation of Web Server Role in Windows Server, “Internet Information Services (IIS)” from the tools menu in Server Manager Dashboard was clicked.

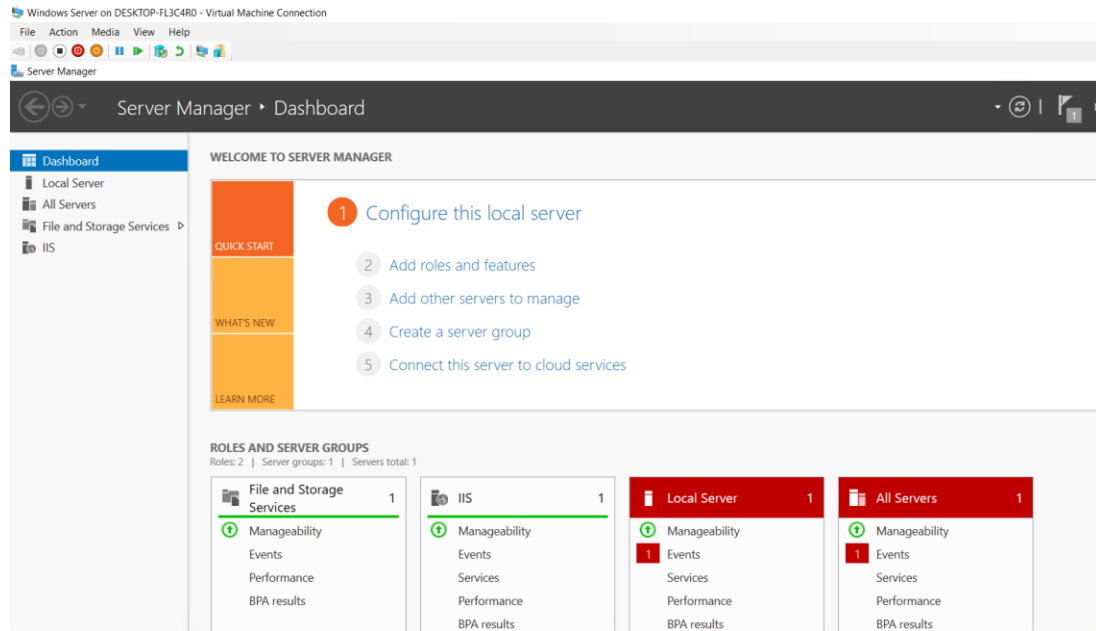


Figure 17:Server Manager Dashboard

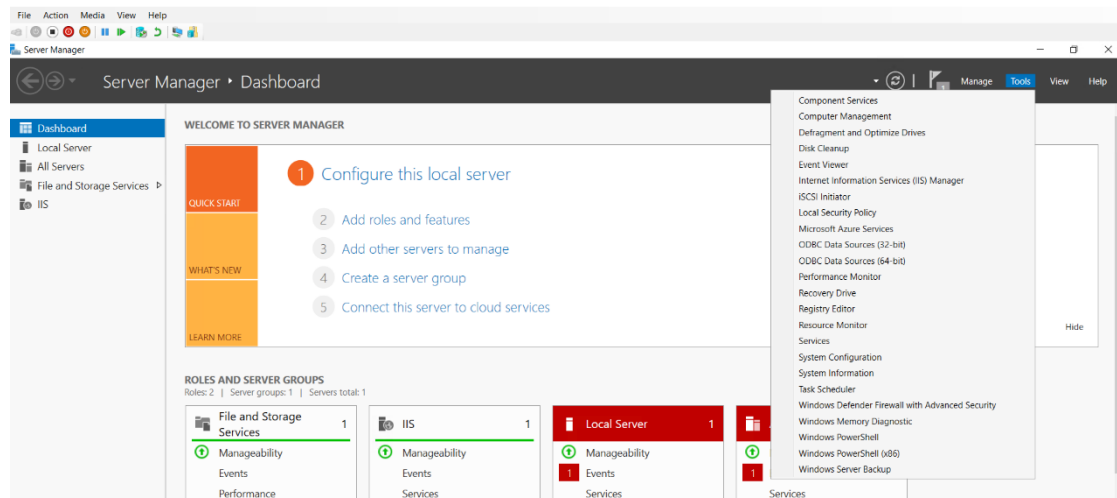


Figure 18:Selecting "Internet Information Services" from tools.

1.12. Step 12

With that, IIS manager window was opened where the server's name was shown on the left pane of the manager.

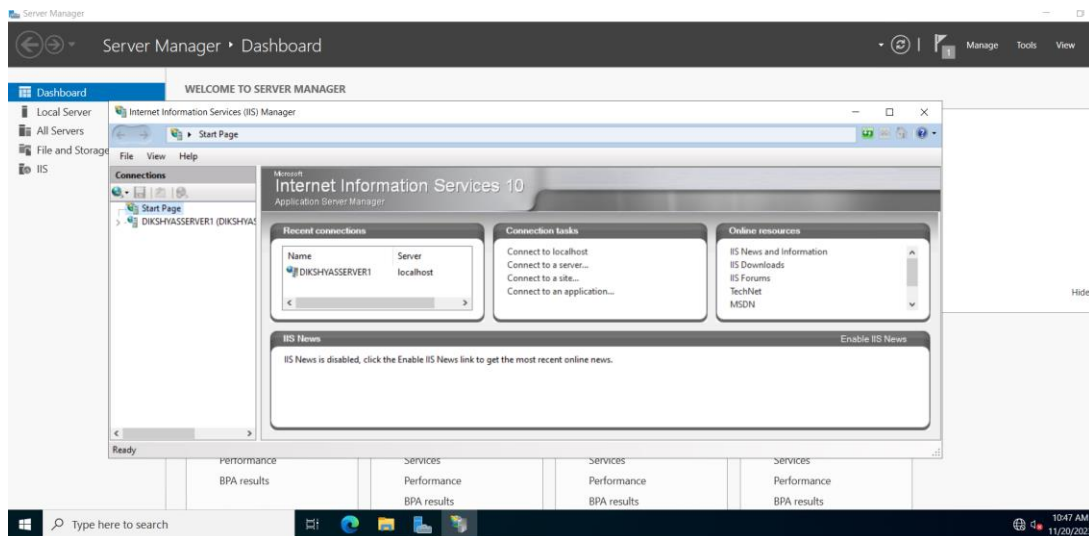


Figure 19:IIS Manager Window

1.13. Step 13

Moving further, dropdown button was clicked from the server's name and again dropdown button was clicked near the Sites menu.

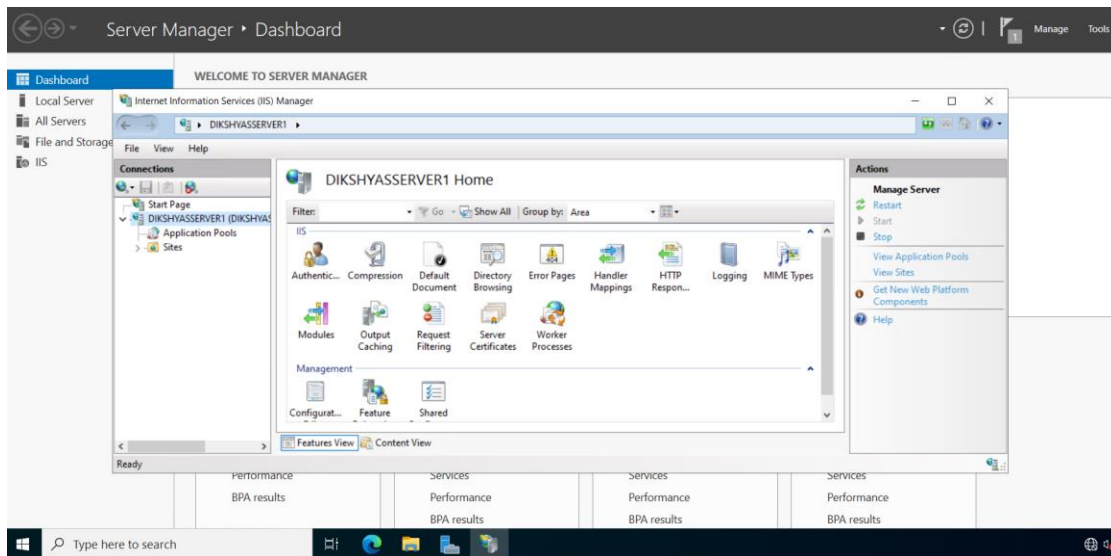


Figure 20: Clicking dropdown button.

1.14. Step 14

With that, the only website shown was default website. Hence, new website was going to added by right clicking on “Sites” menu and clicking on “Add Website” menu.

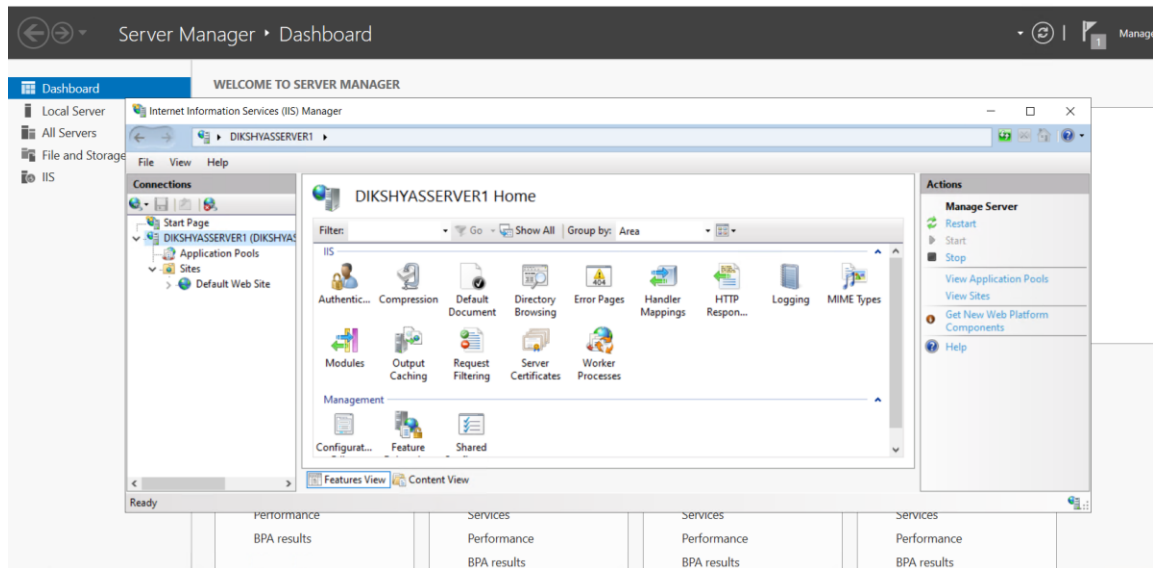


Figure 21: Clicking Dropdown from Sites menu.

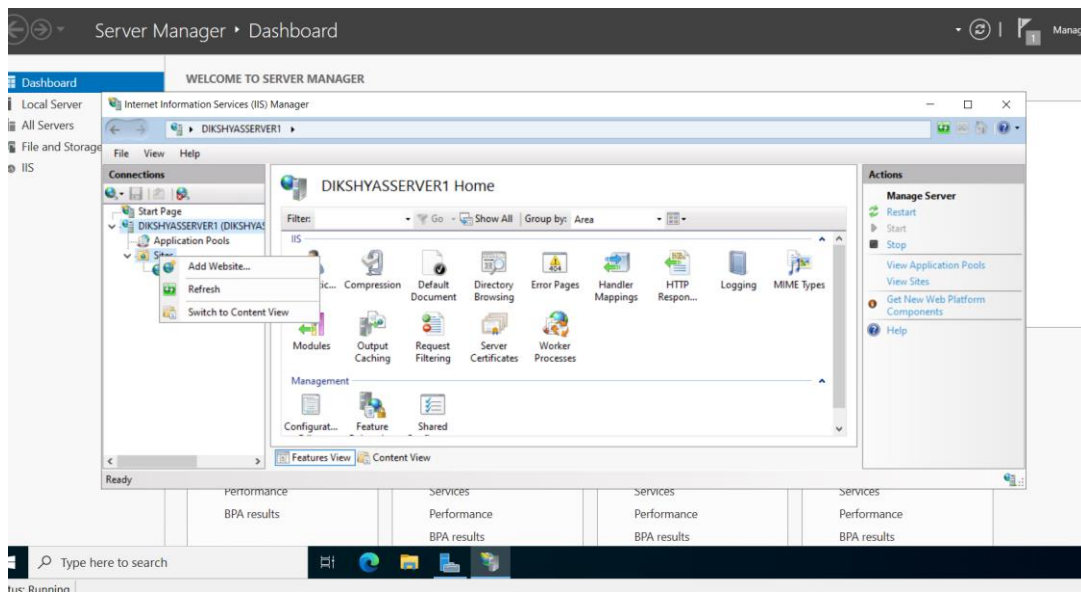


Figure 22: Selecting "Add Website" menu.

1.15. Step 15

Then the necessary credentials were entered. The name was given as “dikshya.local” on site name. Similarly, a template was downloaded and extracted to C drive on a windows server. Following that, on physical path, the extracted folder was selected where the website file was located. Similarly, on host name, “dikshya.local” was entered.

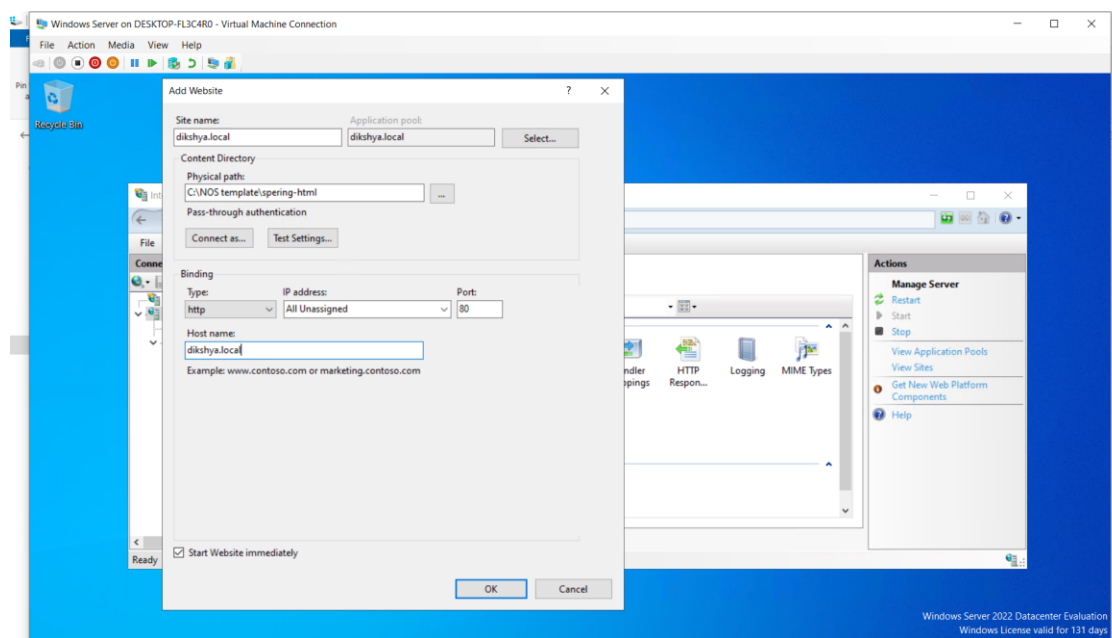


Figure 23: Providing necessary credentials for the new site.

1.16. Step 16

Moving Further, a newly added website was shown on the menu. And on the web browser of the server, “dikshya.local” was entered on the address bar.

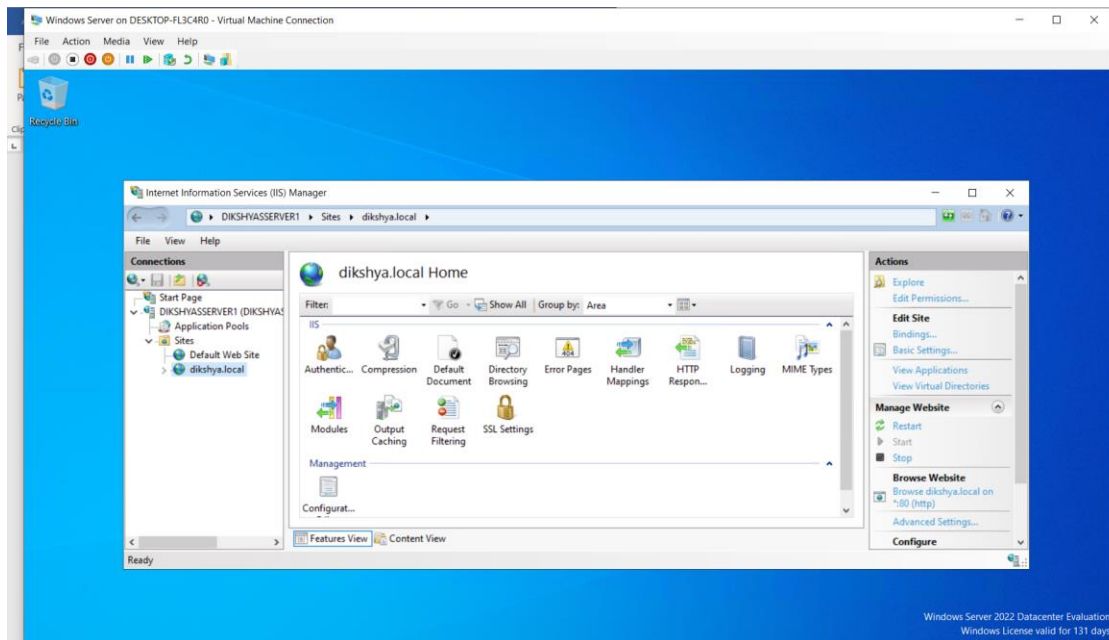


Figure 24: Newly added web site

1.17. Step 17

Since the site was not registered, it was not loaded.

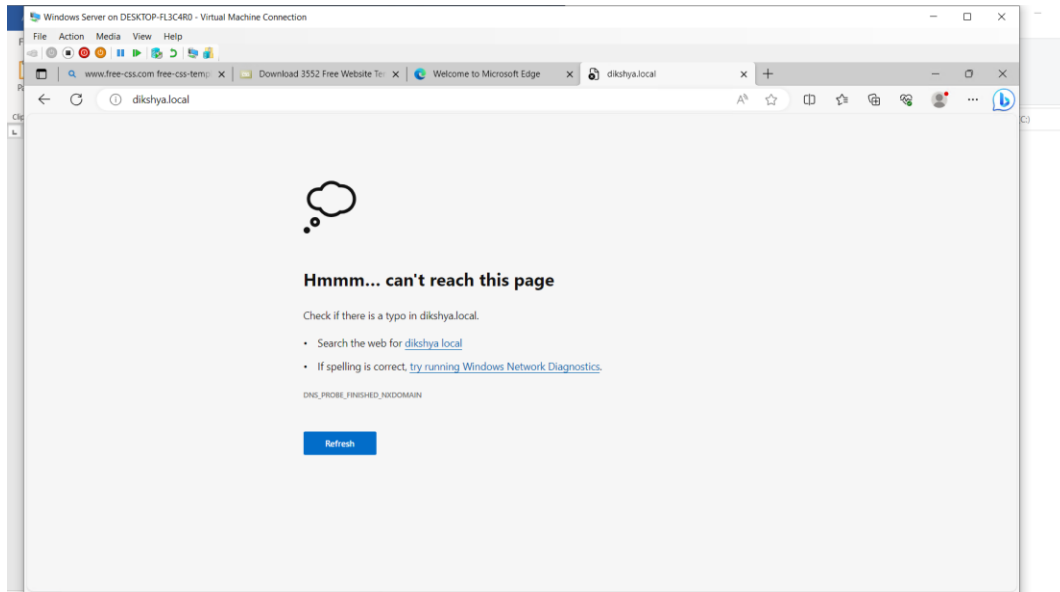


Figure 25: Site not loaded.

1.18. Step 18

To register newly added site, the host file, which was located at the path,
“: C/Windows/System32/drivers/etc/hosts” was opened using Notepad.

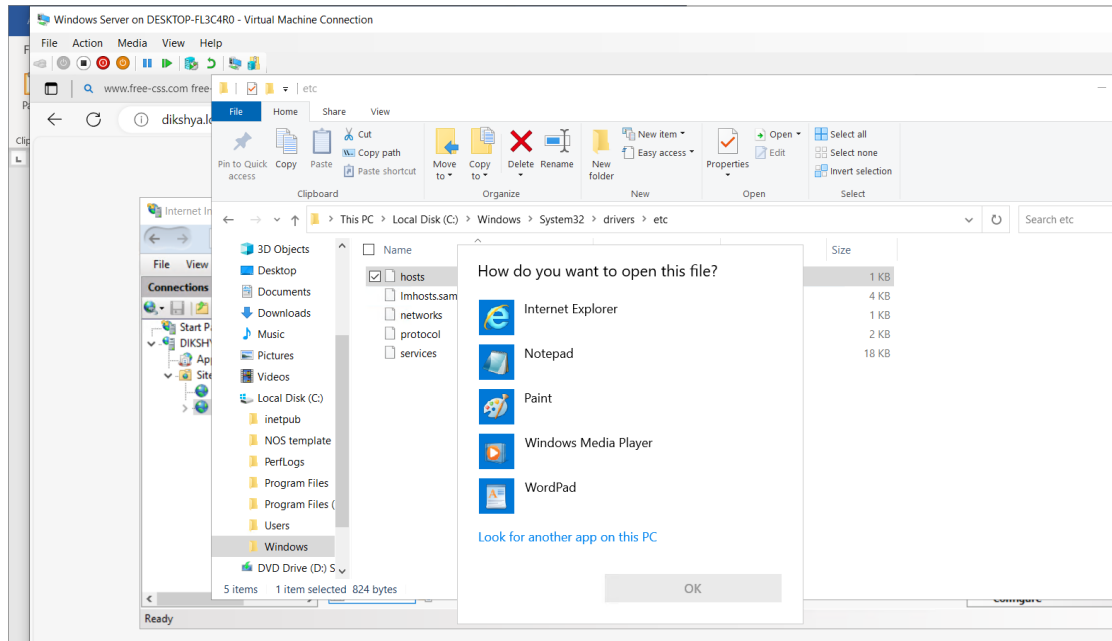
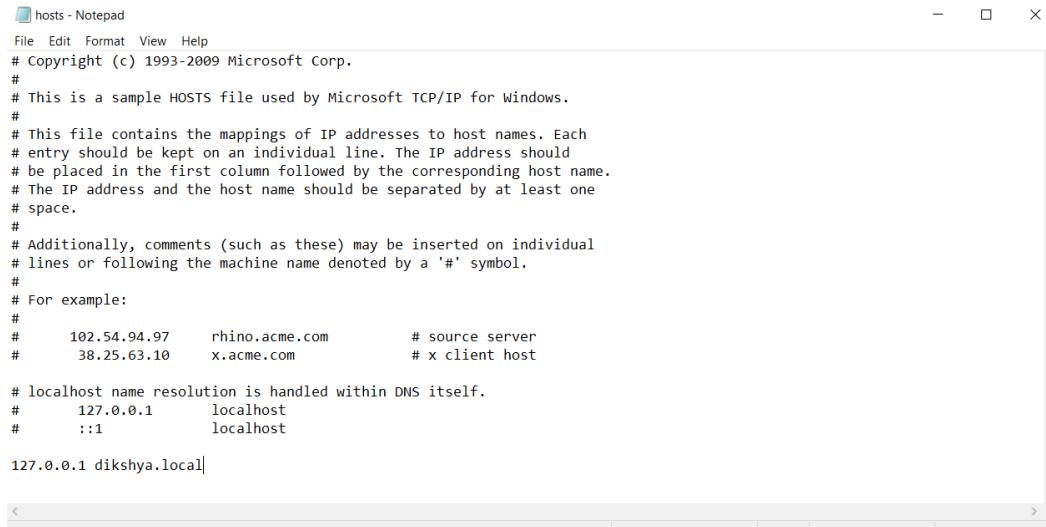


Figure 26: Registering newly added site.

1.19. Step 19

Then “127.0.0.1 dikshya.local” was added at the end of the file and saved.



```
hosts - Notepad
File Edit Format View Help
# Copyright (c) 1993-2009 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP for Windows.
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97       rhino.acme.com        # source server
#       38.25.63.10       x.acme.com           # x client host
#
# localhost name resolution is handled within DNS itself.
#       127.0.0.1        localhost
#       ::1              localhost
127.0.0.1 dikshya.local
```

Figure 27: Making change to host file.

1.20. Step 20

Then, the site on the browser was loaded.

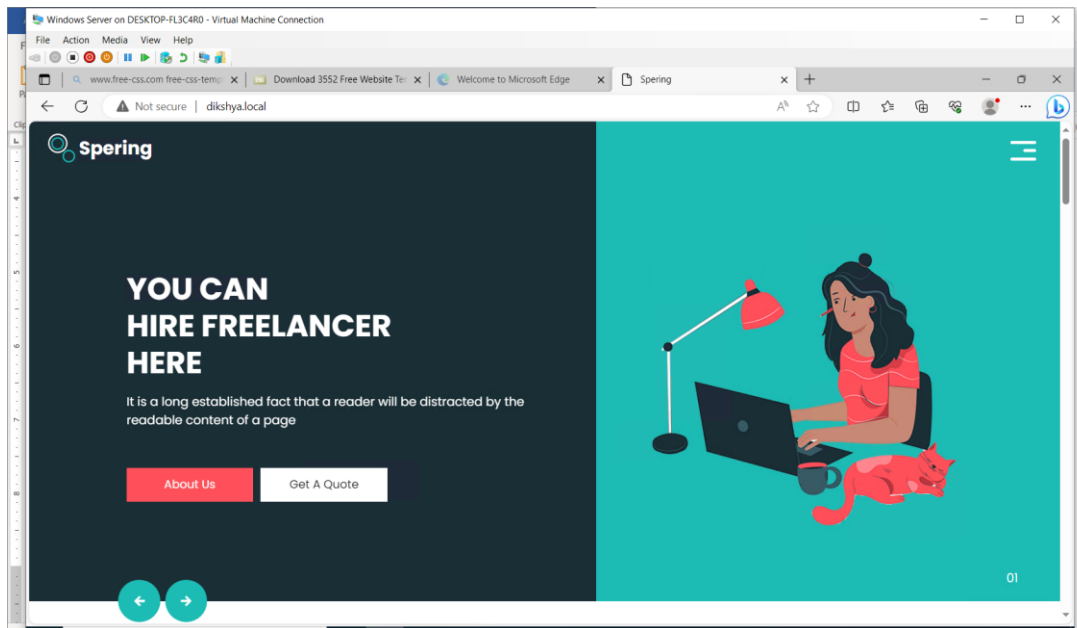


Figure 28: Loaded Site