Module Code & Module Title - CT5052NP (Network Operating System)

Level 5 – Network Operating system

Semester - 2023/24 Autumn

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Assignment Due Date: November 23

Assignment Submission Date: November 22

Submitted To: Prashant Adhikari

Word Count : 747

Assessment Type

Logbook - Report 3

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

Windows server is the platform for building an infrastructure of connected applications, networks, and web services from the workgroup to the data centre. It bridges on premises environments with Azure, adding additional layers of security while helping you modernize your applications and infrastructure.

Windows Server 2022 offers hybrid capabilities with Azure, enhancing multi-layer security and flexible application platform. It features secured-core capabilities, protecting hardware, firmware, and OS against advanced security threats. It also introduces faster encrypted HTTPS connections and industry standard encryption. (Microsoft, n.d.)

2. Objective

To explore and practice essential administrative tasks on Windows Server 2022, focusing on basic server configuration and management. This exercise aims to develop skills in both GUI and command-line tools, emphasizing secure and efficient server administration.

- Renaming the server
- Configuring the server's time zone
- Enabling Remote Desktop to allow administration
- Setting a static ip address
- Disabling internet explorer enhanced security configuration
- Configuring automatic windows updates
- Adding and managing credentials using powershell
- Removing unnecessary user accounts using CLI to enforce security policies

3. Changing server name

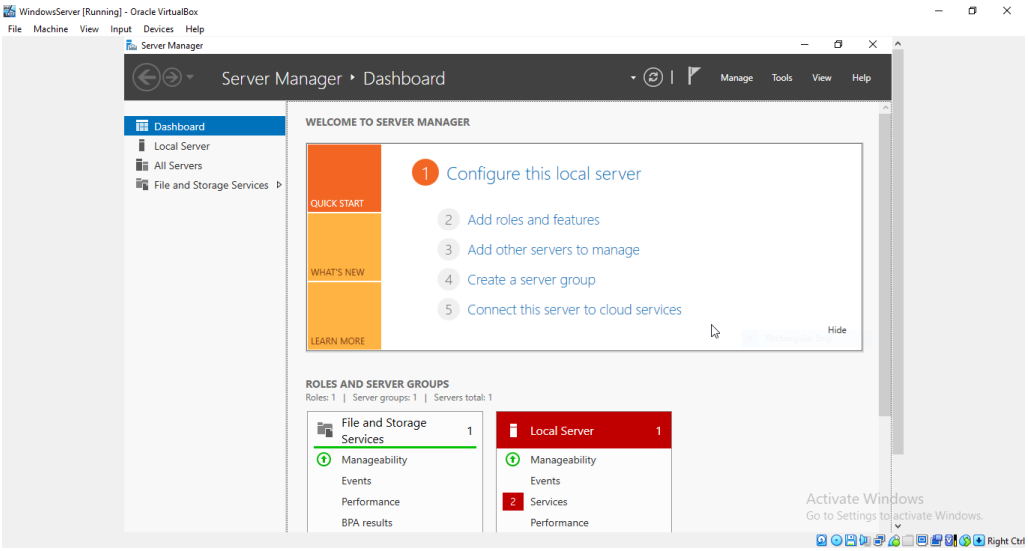

Figure 1: Opening server management

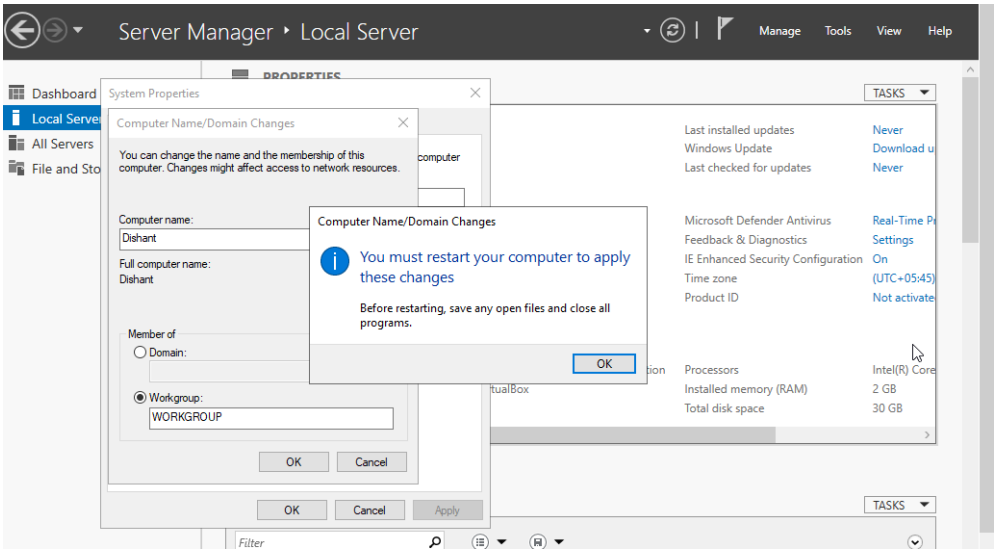

Figure 2: Changing the server name

4. Enabling Remote Desktop

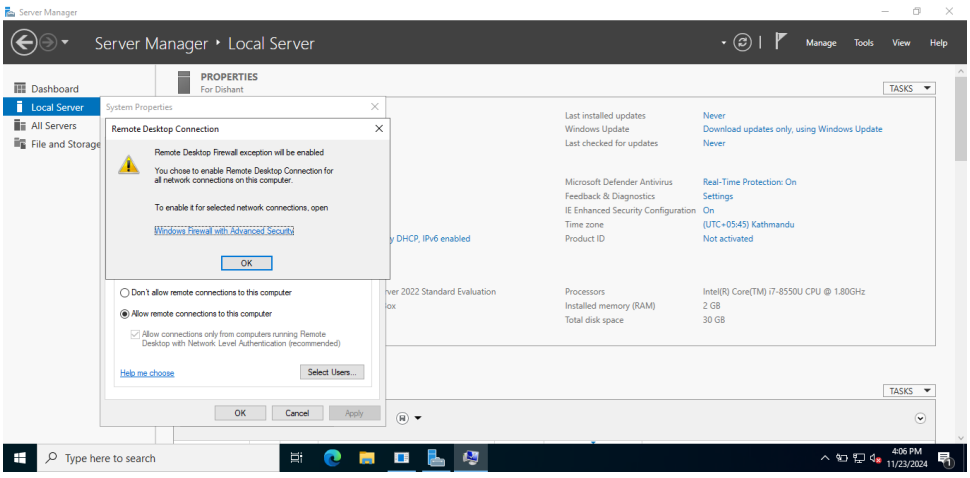

Figure 3: allowing remote desktop connected

5. Setting up Static IP address

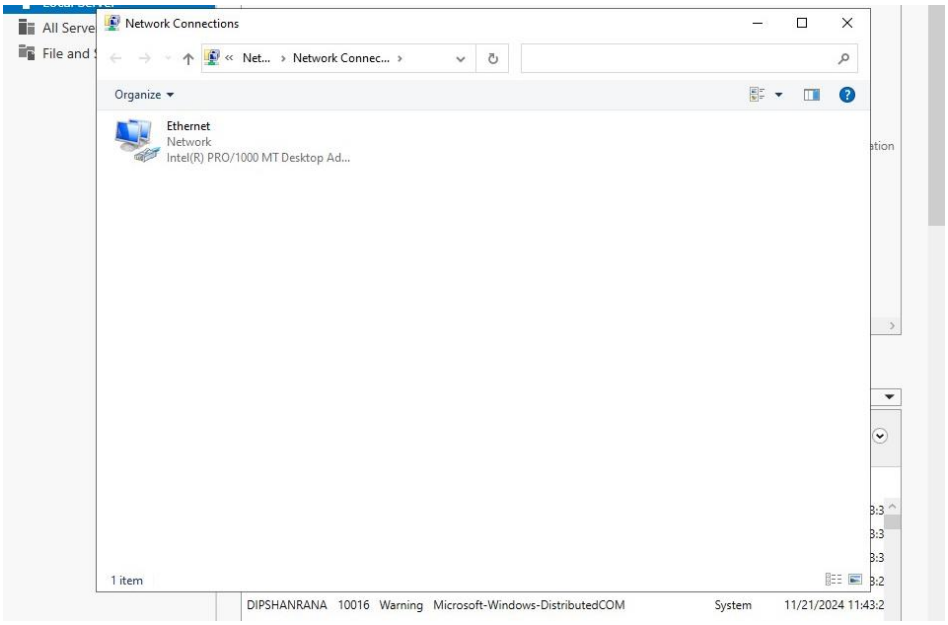

Figure 4: list of network adapters

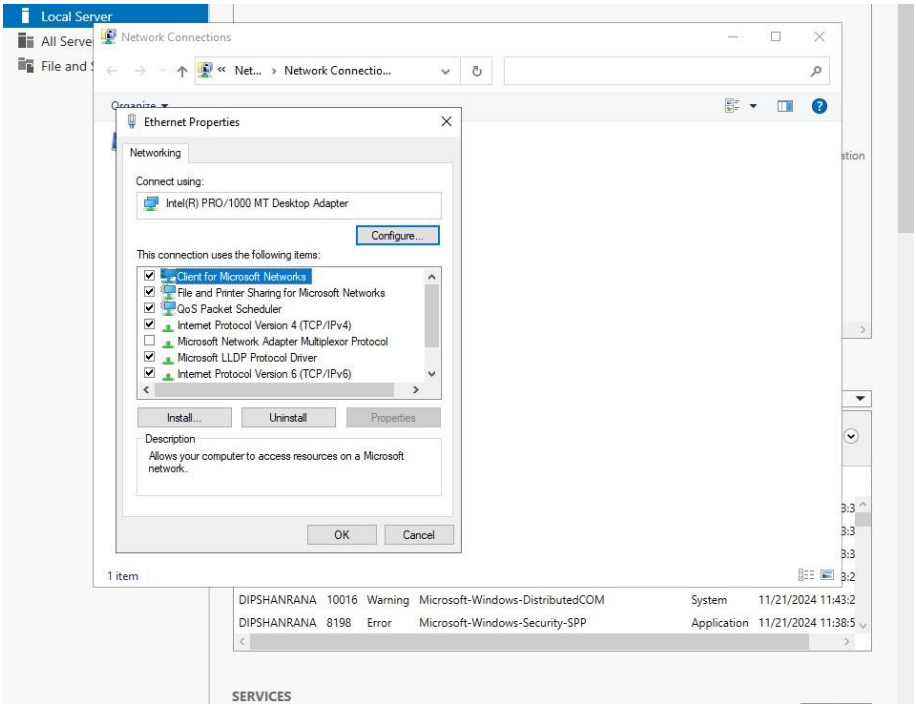

Figure 5: properties of adapter

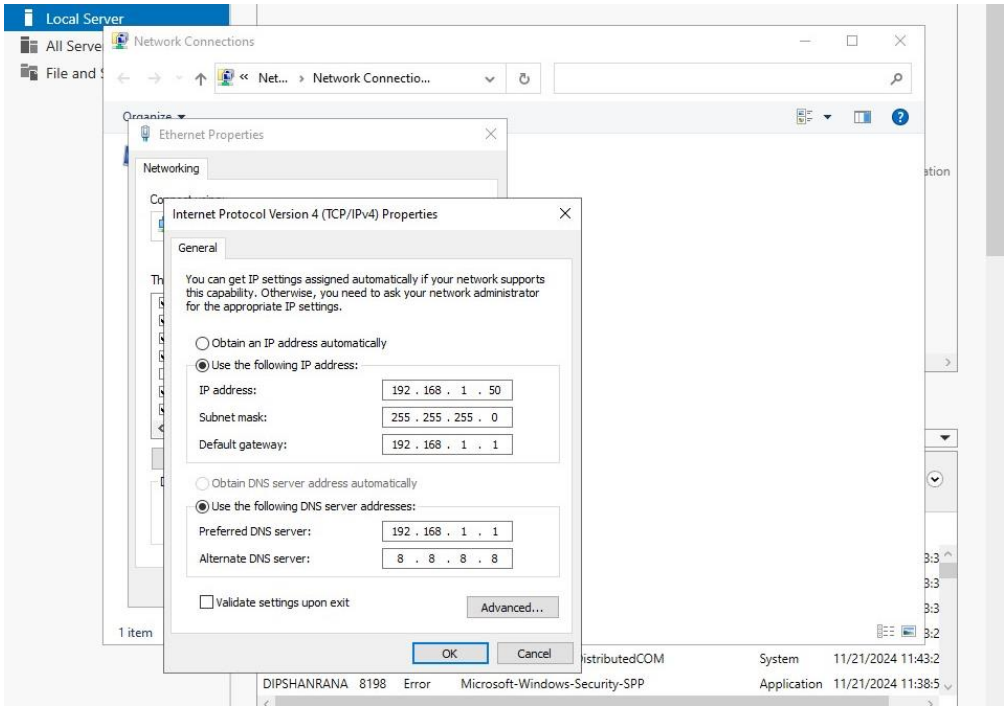

Figure 6: configuring static ip

6. Setting time zone

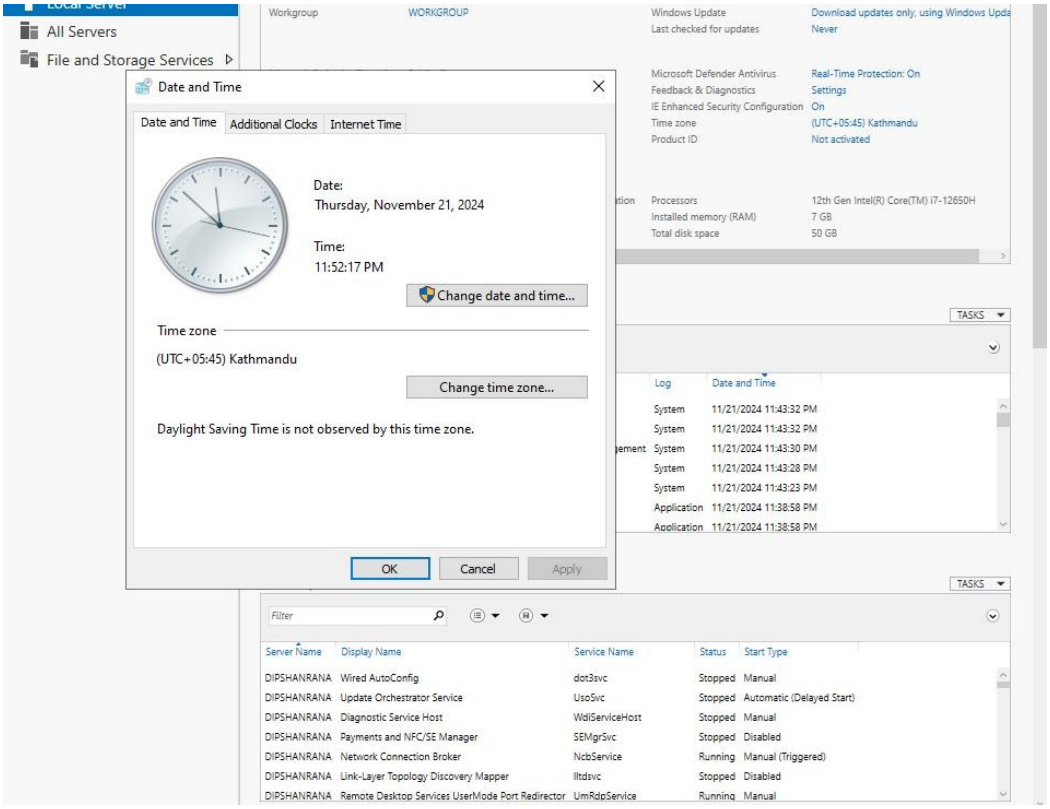

Figure 7: Time zone to kathmandu

7. Turning off IE security and checking for updates

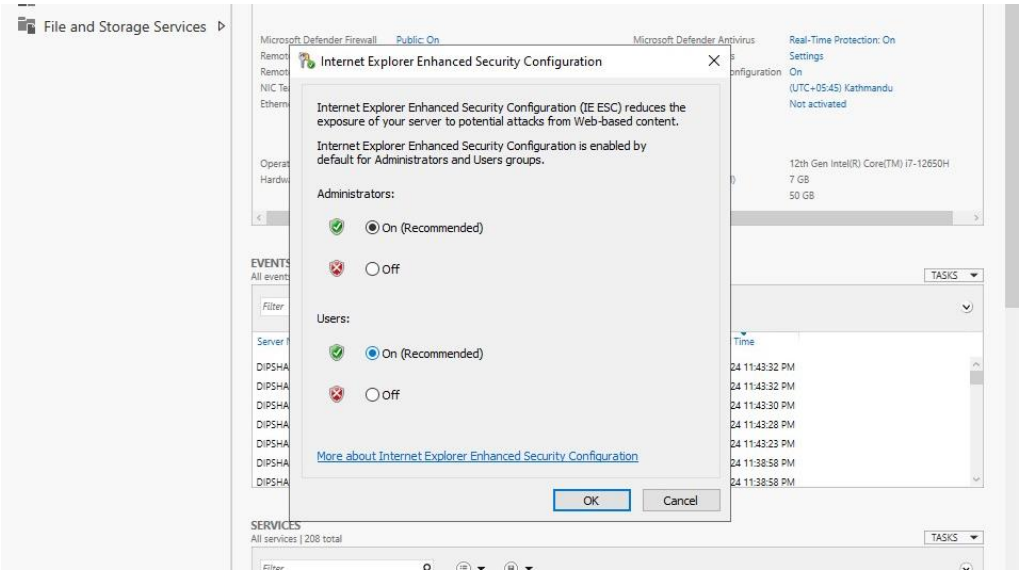

Figure 8: Opening IE enhanced security configuration from menu

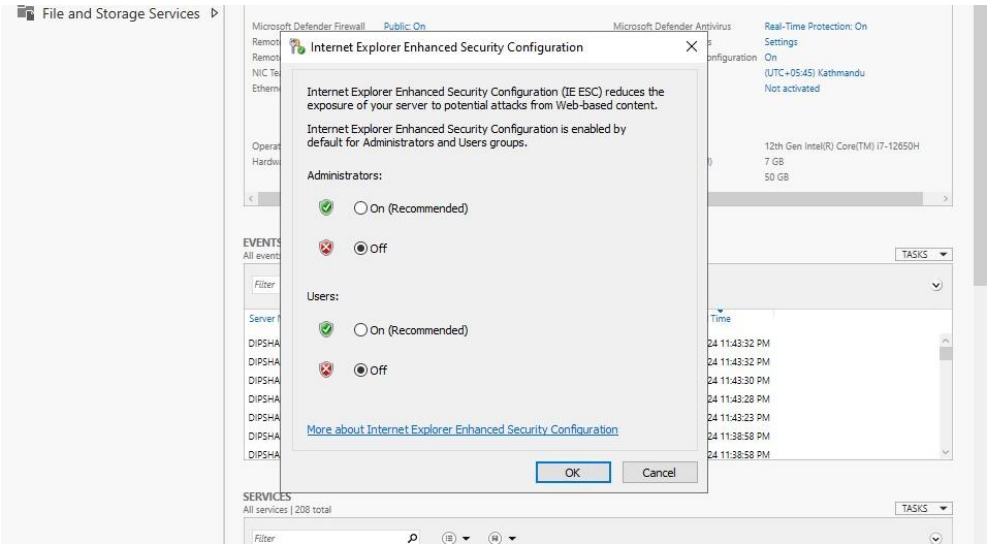

Figure 9: IE security turned off for both admin and users

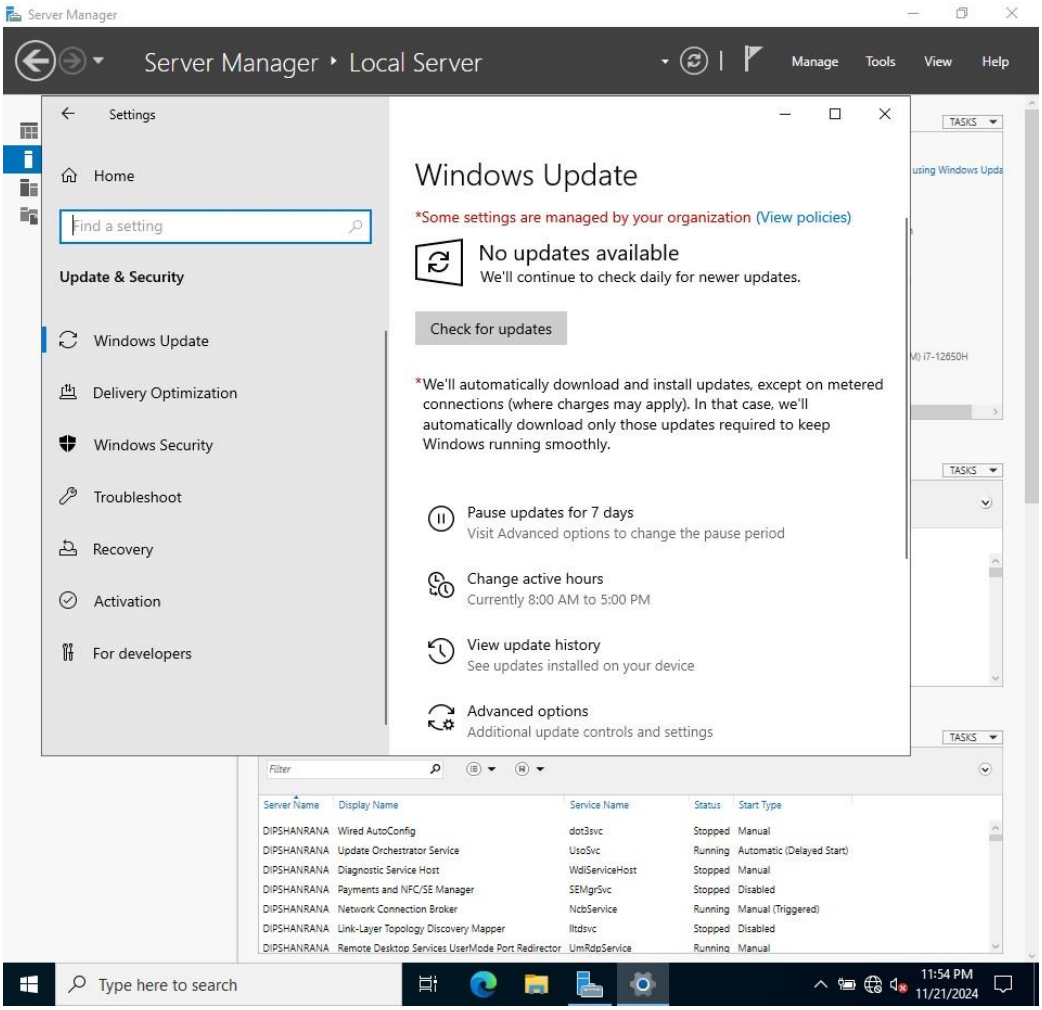

Figure 10: Checking for windows update

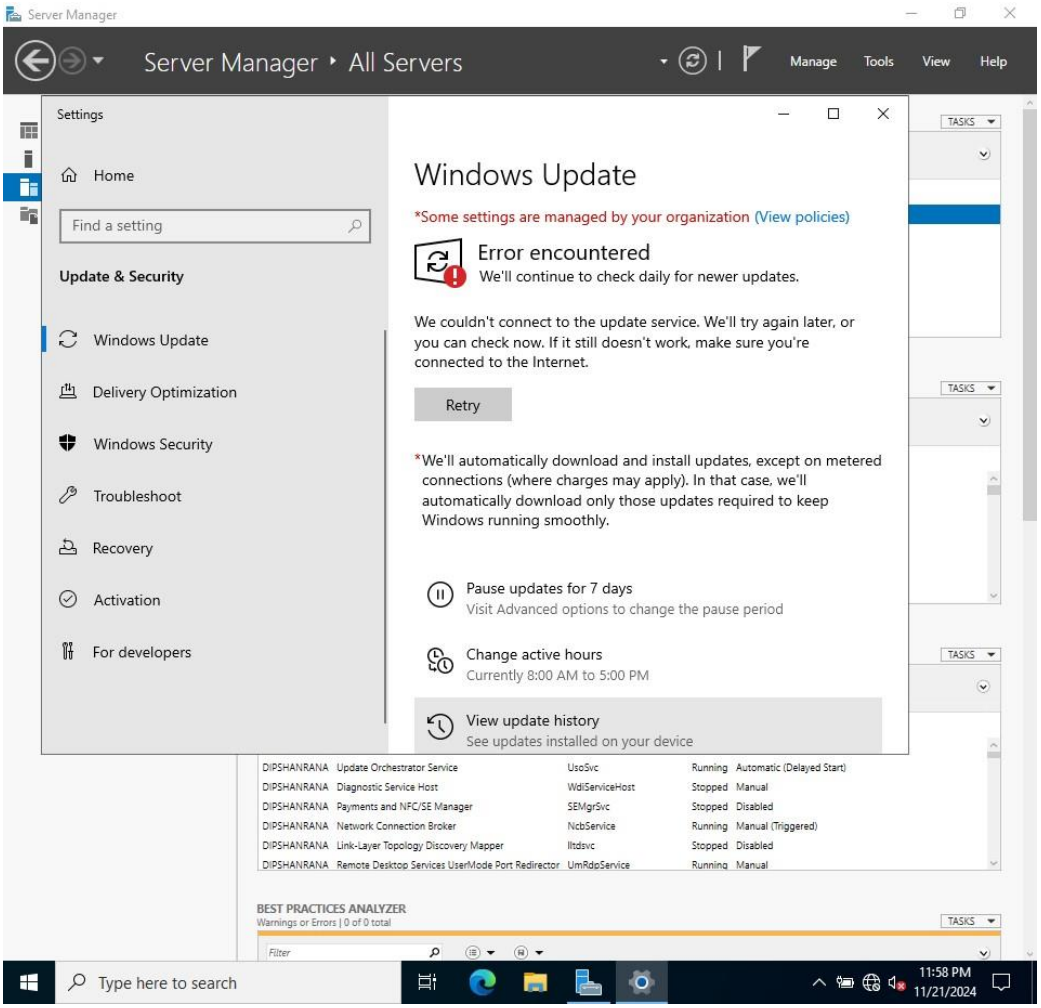

Figure 11: Error occured since there is no internet connectivity

8. Adding user using GUI

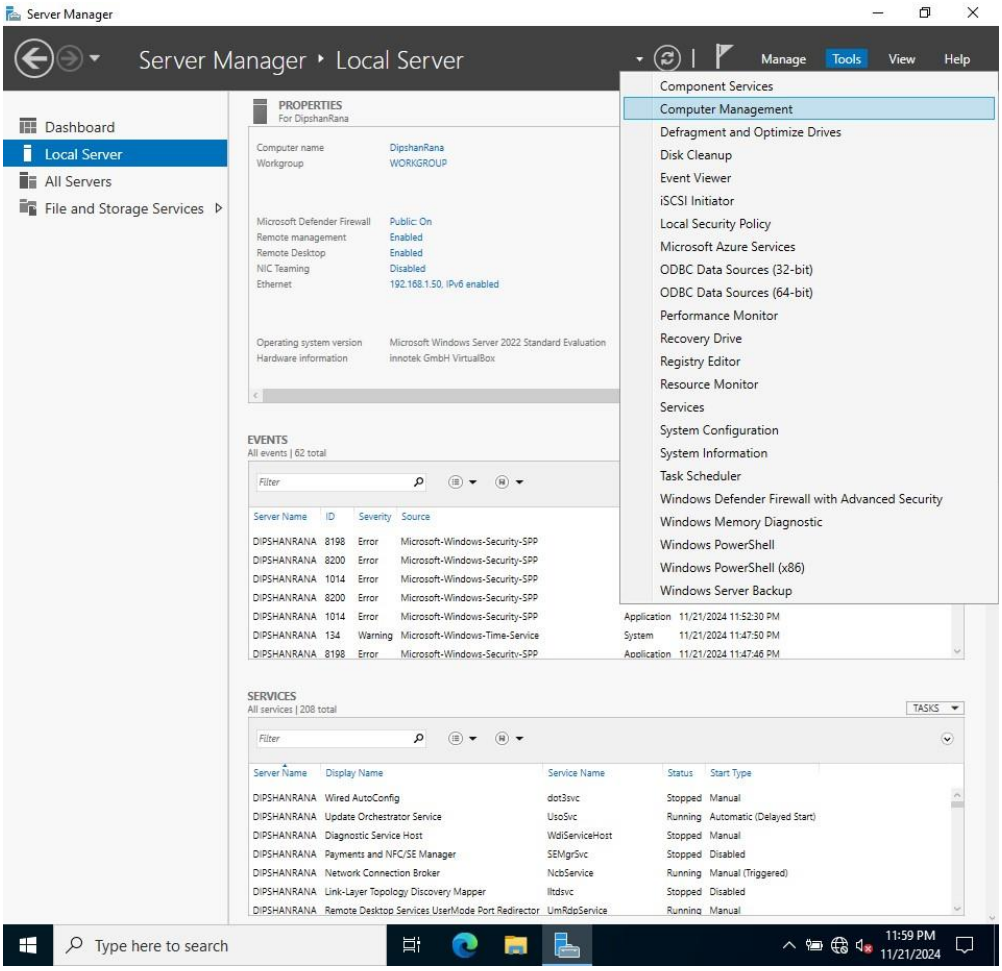

Figure 12: selecting computer management from toolbar

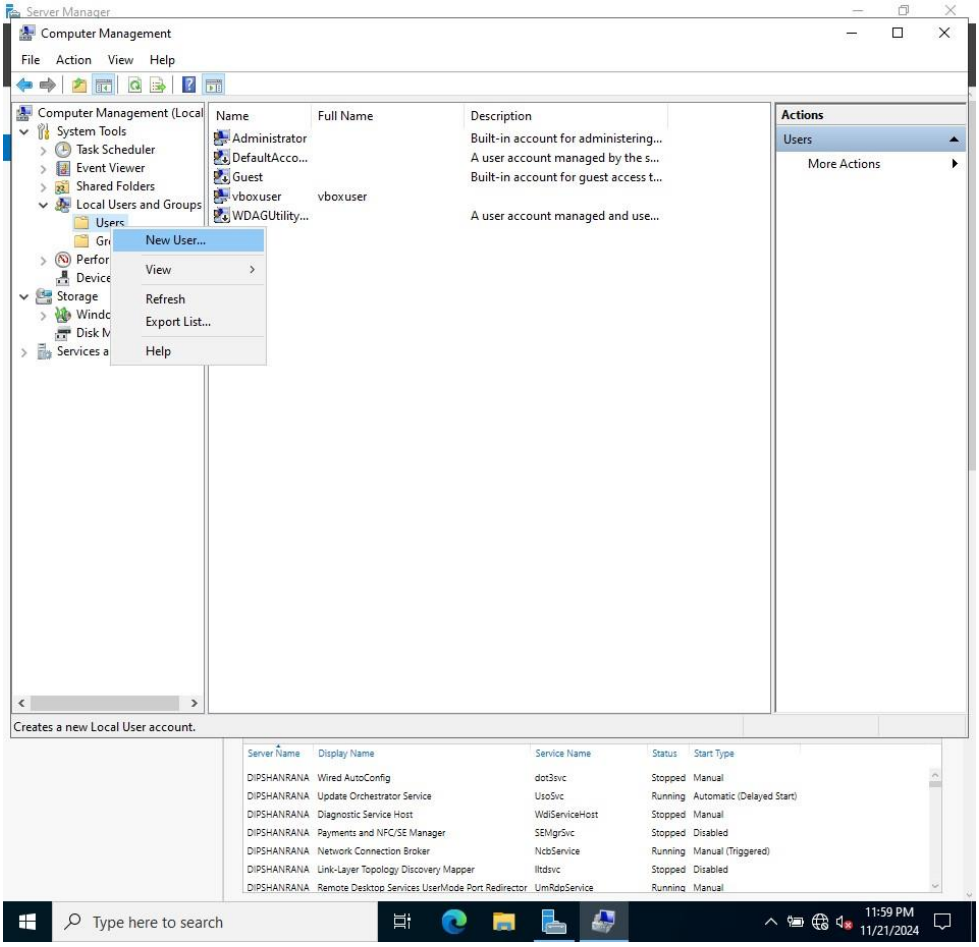

Figure 13: creating new user

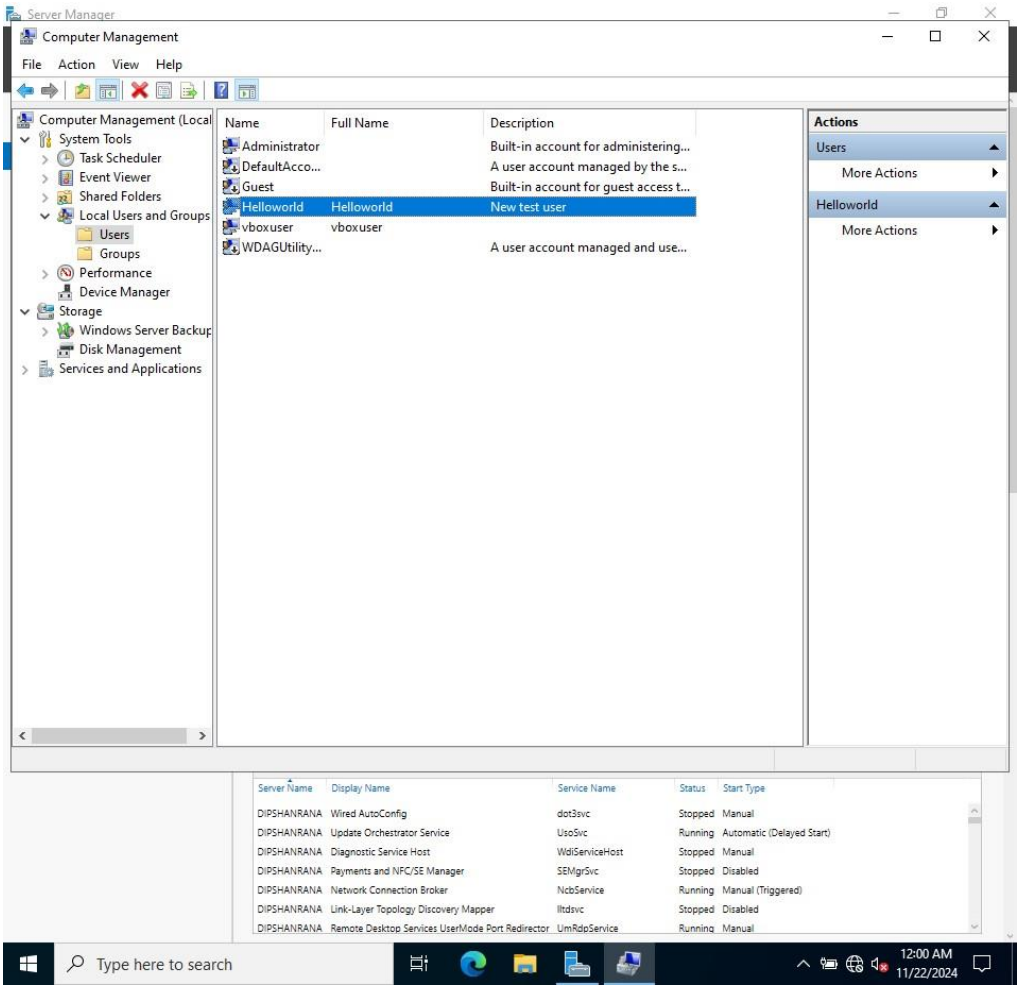

Figure 14: new user added

9. Adding new user using windows powershell

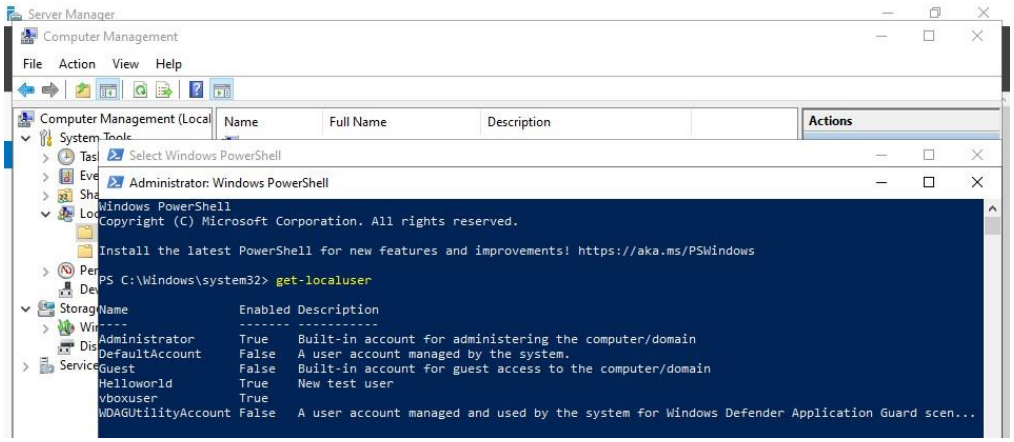

Figure 15: adding new user from powershell

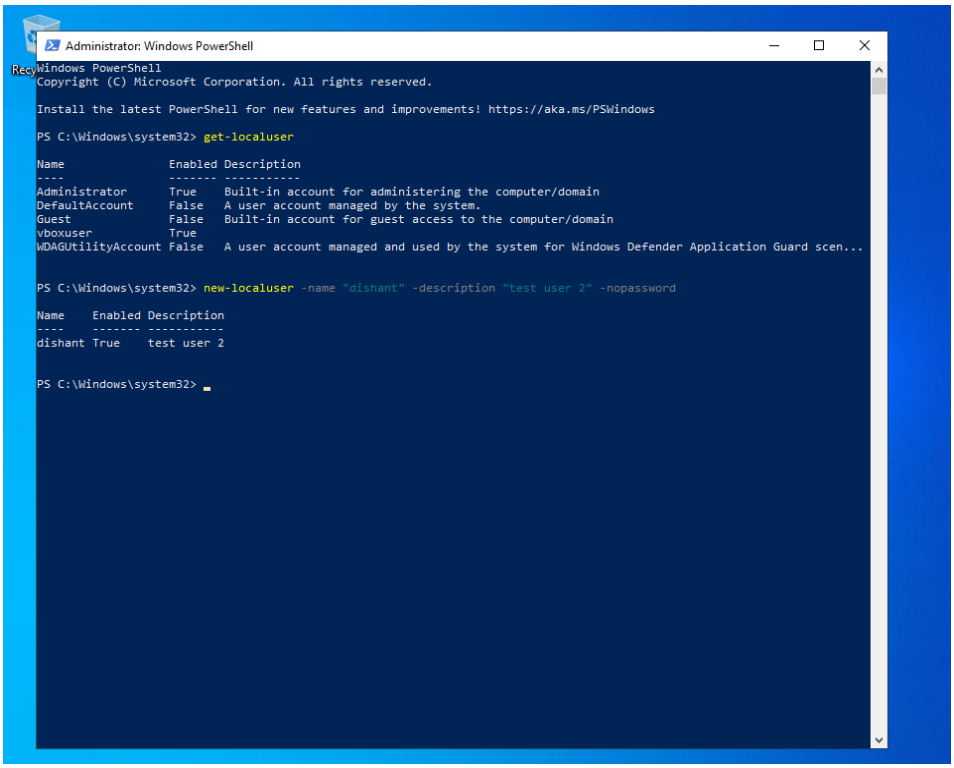

Figure 16: manually adding user to the group

10. Removing a user

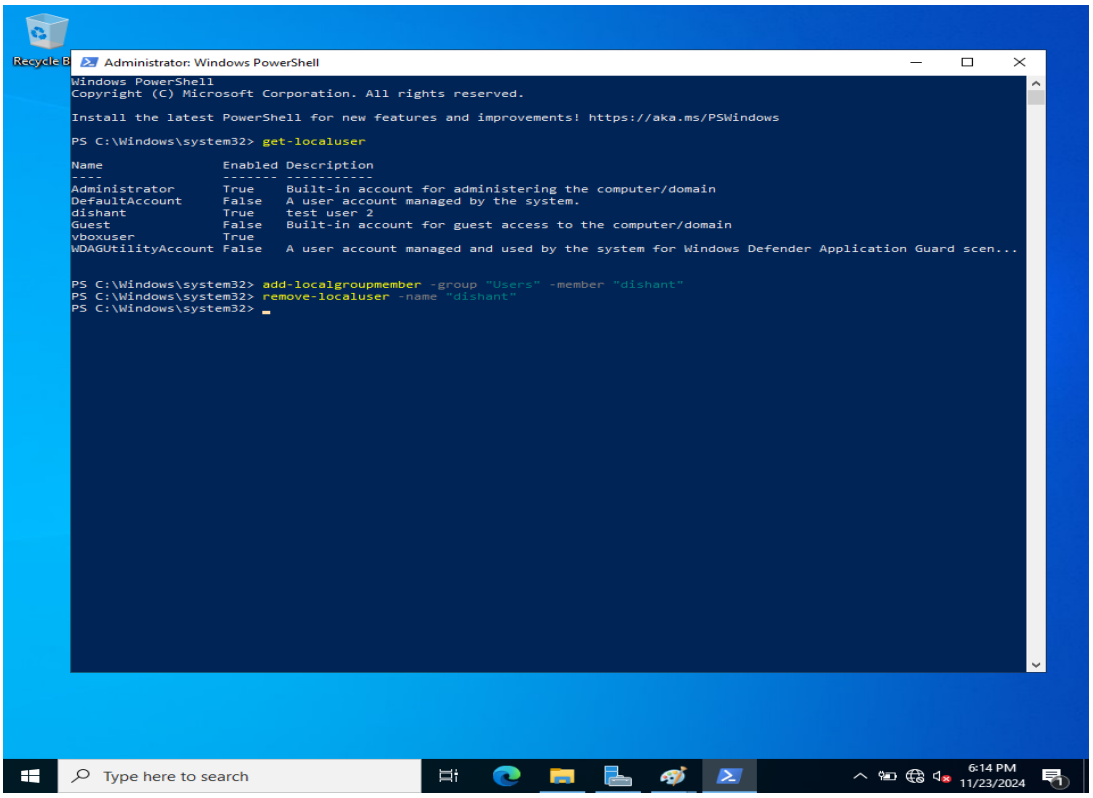

Figure 17: removing user

11. Storing passwords using variables as securestrings

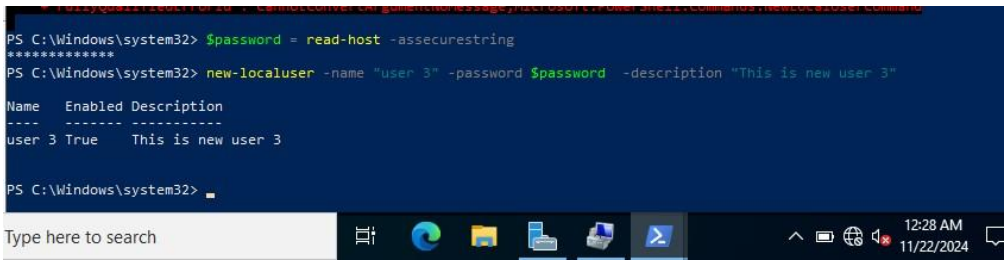

Figure 18: new user created by giving the variable as password

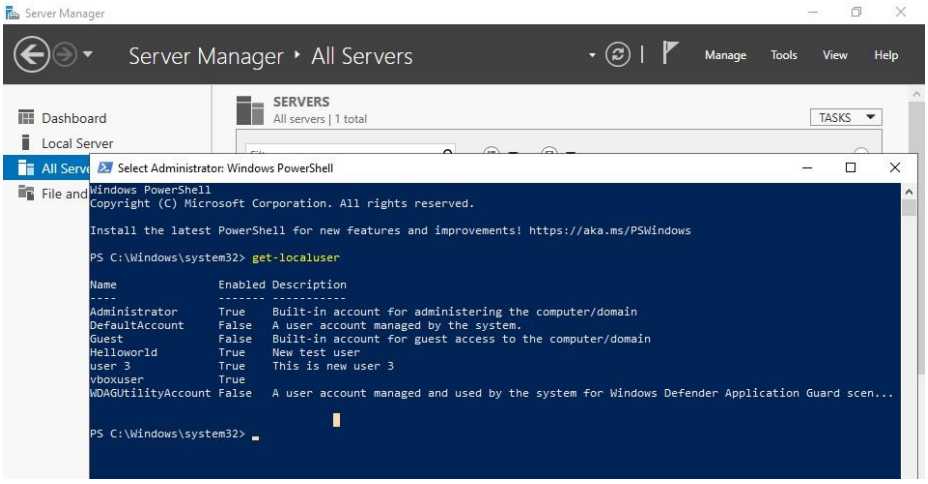

Figure 19: new user added using variable as password

12. Conclusion

As a result, Remote Desktop access is enabled, user accounts are efficiently managed by adding and removing users via both GUI and CLI, Internet Explorer Enhanced Security is disabled, system updates are checked, the server's time zone is configured, the server name is updated, and a static IP address is assigned for reliable network communication.

13. Bibliography

Microsoft. (n.d.). *evaluate windows server*. Retrieved from microsoft: https://www.microsoft.com/en-us/evalcenter/evaluate-windows-server-2022?msockid=1d6627b7b0d4624230fd32b7b1d2632c