**Automation Tasks: -**

1. Automatic Password reset for expired accounts in AD (Active Directory).

2. Windows Patching Automation - already deployed in ITOC. It should be deployed using Ansible.

3. Automatic capture of top ten processes consuming memory or CPU and updated Snow tickets.

4. Automatic capture of top ten files consuming most memory in a server and updated snow tickets.

5. User on-boarding in AD using PowerShell scripts with Jenkins and test cases.

6. Real time IT (Information Technology) dashboard for CPU, Memory, Disks of multiple remote servers for monitoring.

7. Deployment of servers with pre-defined hardened configuration in vanilla OS (Operating System) using Jenkins’s pipeline with test cases.

8. Deployment of applications or removal on servers using Jenkins’s pipeline with test cases and Ansible.

9. Regular AD replication report via email and open snow tickets automatically for errors.

10. Customized command line-based package management system for windows and Linux.

11. Real-time event analysis of Windows of any remote server using PowerShell.

12. Real-time report of Admin groups via email (added or removed), open snow tickets for verification.

13. Security Assessment of Weak Passwords with reporting via email using PowerShell.

14. Regular AD Dump of all computer and user accounts via email using PowerShell.

15. Regular removal of disabled computer or user accounts using PowerShell.

16. Real-time analysis of CPU/Memory/Disk use of any server to reduce the running cost involved in keeping or deploying new servers.

17. Automated Linux patching using ansible.

18. Regular SQL DB health check reports via email using PowerShell and Python.

19. Dynamic groups in AD using PowerShell based on any query. e.g., every time an user is added to a NY location, it should be added to a specific group.

20. Regular AD health reports via email using PowerShell and open snow tickets automatically for errors.

21. Custom PAM for AD - Temporary 24 hr. admin privilege for any server with automatic removal using PowerShell and ansible.

22. CIS (Center for Internet Security) hardening using ansible on Windows and Linux.

23. Regular Cluster health check reports via email using PowerShell.

24. Local users and groups management on both Linux and Windows using Ansible.

25. Registry management on windows servers using Ansible.

26. Files management on windows servers using Ansible.

27. Security assessment and vulnerability management on servers using Ansible.

28. Managing services of all servers using Ansible.

29. Hyper-V VM (Virtual Machines) management using PowerShell and ansible.

30. VMware reporting and management using Python/Jenkins.