**Automation Tasks: -**

1. Patching Automation of windows and Linux. We would need Ansible, Jenkins, Git, bash, and PowerShell to complete the task.
2. Capturing of top ten processes consuming most CPU or Memory and updating it in the Snow Ticket. We would need Ansible, Jenkins, Git, bash, and PowerShell to complete the task.
3. Capturing of top ten files consuming most size and updating it in the Snow Ticket. We would need Ansible, Jenkins, Git and PowerShell to complete the task.
4. Password expiry reset automation. We would need Jenkins, Git and PowerShell.

**Tools: -**

1. Ansible – Open source (Configuration Management)
2. Jenkins – Open source (CI/CD Pipeline)
3. Git – Open source (Version Control)

**Scripting Language: -**

1. PowerShell – Inbuilt in Windows
2. Bash – Inbuilt in Linux
3. Python

**Training needed: -**

1. Ansible
2. Linux/Bash
3. Jenkins CICD

**Requirements: -**

Ansible would be needed to remotely manage the Linux and windows servers. Jenkins would be needed for continuous integration and continuous deployment of the scripts. We can also include test cases for all the scripts for automated testing using Jenkins. Git would be needed to store the code for all scripts and customer centric scripts.

1. One Linux server for Ansible
2. One Linux server for Jenkins and GIT
3. One Windows VM for AD domain controller
4. One Windows VM to act as client
5. One Linux VM to act as client