**CI/CD Configuration and Deployment**

|  |  |  |  |
| --- | --- | --- | --- |
| Tool | Activity | Instruction Document / Procedure | Comments |
| Google cloud | Creating VM |  | Create a google cloud account and create a new instance.  Ex: **Jenkins and Ansible instance** |
| Ansible/Jenkins VM | Create a SSH connection between Ansible and Jenkins VM |  | **Detail ssh connection document provided to establish the connection of two servers.** |
| Ansible | Install the Ansible |  |  |
| Java, Jenkins, Tomcat, Git, Maven | Tool installation |  | **Instructions provided to install Java, Jenkins, Tomcat, Git, Maven**. Just open the document and select all and copy paste it in your VM and it will install all the required tools.  **Java is the pre-requisite for the Jenkins installation** |
| Tomcat and Jenkins setup | Tomcat configuration and Jenkins setup |  | **Jenkins war file is installed under Tomcat directory and Tomcat will install the Jenkins and do the further setup.** |
| Tomcat | Troubleshooting document for Tomcat |  | There is a bug in Tomcat 8.5 and getting 403 access error. Please follow the troubleshoot document and rectify it. |
| Jenkins | Jenkins configuration |  | **Once you installed the Jenkins we need to configure the tools in global section**:  Configure the Git ,Maven, Java installation path in Jenkins. |
| Git, Maven, Tomcat | Git, Maven, Tomcat – Code Deployment |  |  |
| Ansible, SNOW | Change creation process through SNOW |  | Change creation would be done through Ansible playbook.  Sample playbook is covered in the attached document. |