**Phase-1: Implementation**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Phases** | **Targeted Implementations** | **Tools Required** | **Number of instances** | **Status/duration** | **Supporting Documents** |
| **Phase-1.1** | Install the required tools to check out the code from GitHub and then build. | Java, Tomcat, Maven, Git, Jenkins | 1 RHEL | 2 hrs | 1.AWS-TOMCAT-JENKINS.doc, 2.Java-Tomcat-maven-git-Jenkins.sh |
| **Phase-1.2** | Implement as to get the code from GitHub--->build with maven-->deploy to nexus-->deploy to TomCat server. | Above tools + Nexus | 2 RHEL | 2 hrs | 3.NexusSetup.sh |
| **Phase-1.3** | Jenkins master and slaves configuration. | Above tools | 3 RHEL | Completed in one day | 4.AWS-Jenkins-Slaves-Configuration.doc |
| **Phase-1.4** | Documentation of Phase-1 tasks | Google Docs/sheets | - | Completed in one day | **DevOps-Setup-Phase1-FinalDocs.zip** |

Required Tools & servers:

|  |  |  |
| --- | --- | --- |
| Server1 | Server2 | Server3 |
| Java  Tomcat  Maven  Git  Jenkins | Nexus | Slave |

**Communication b/w servers**:

