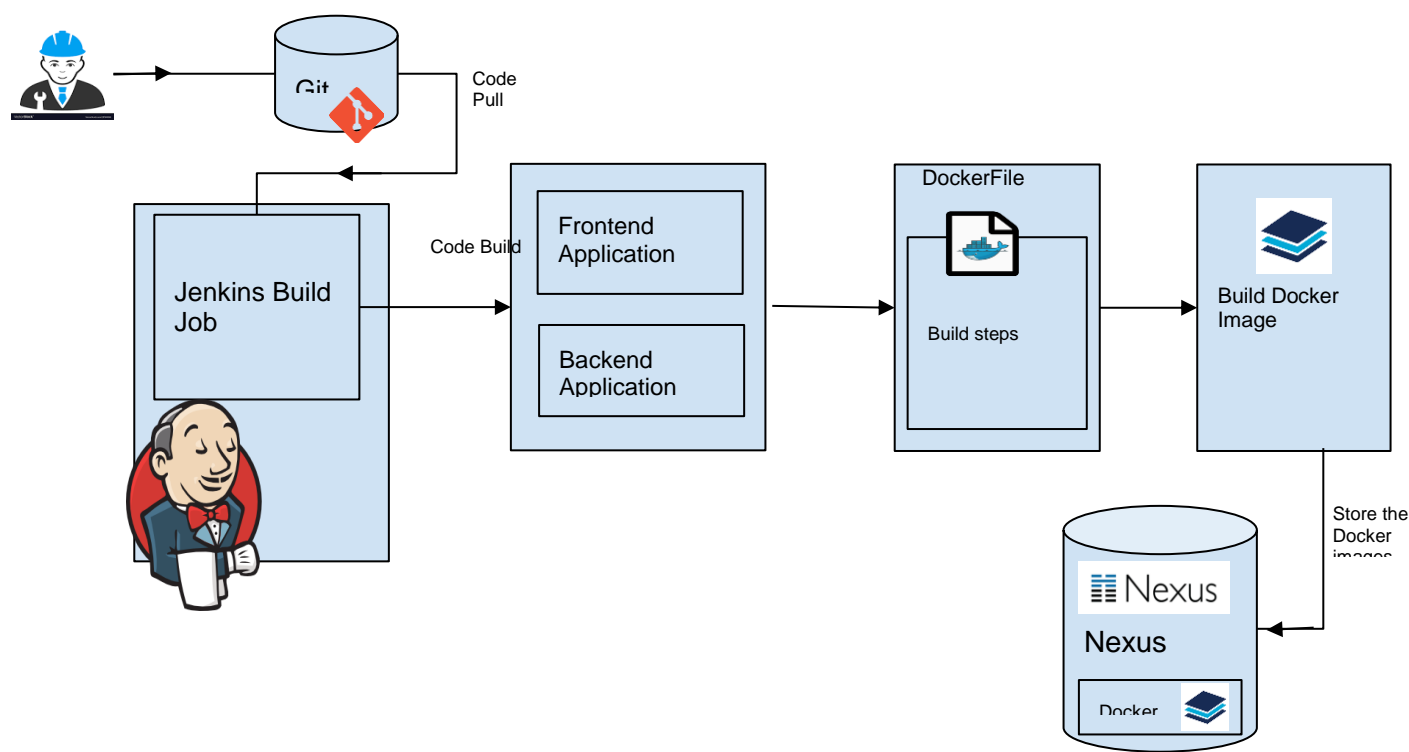
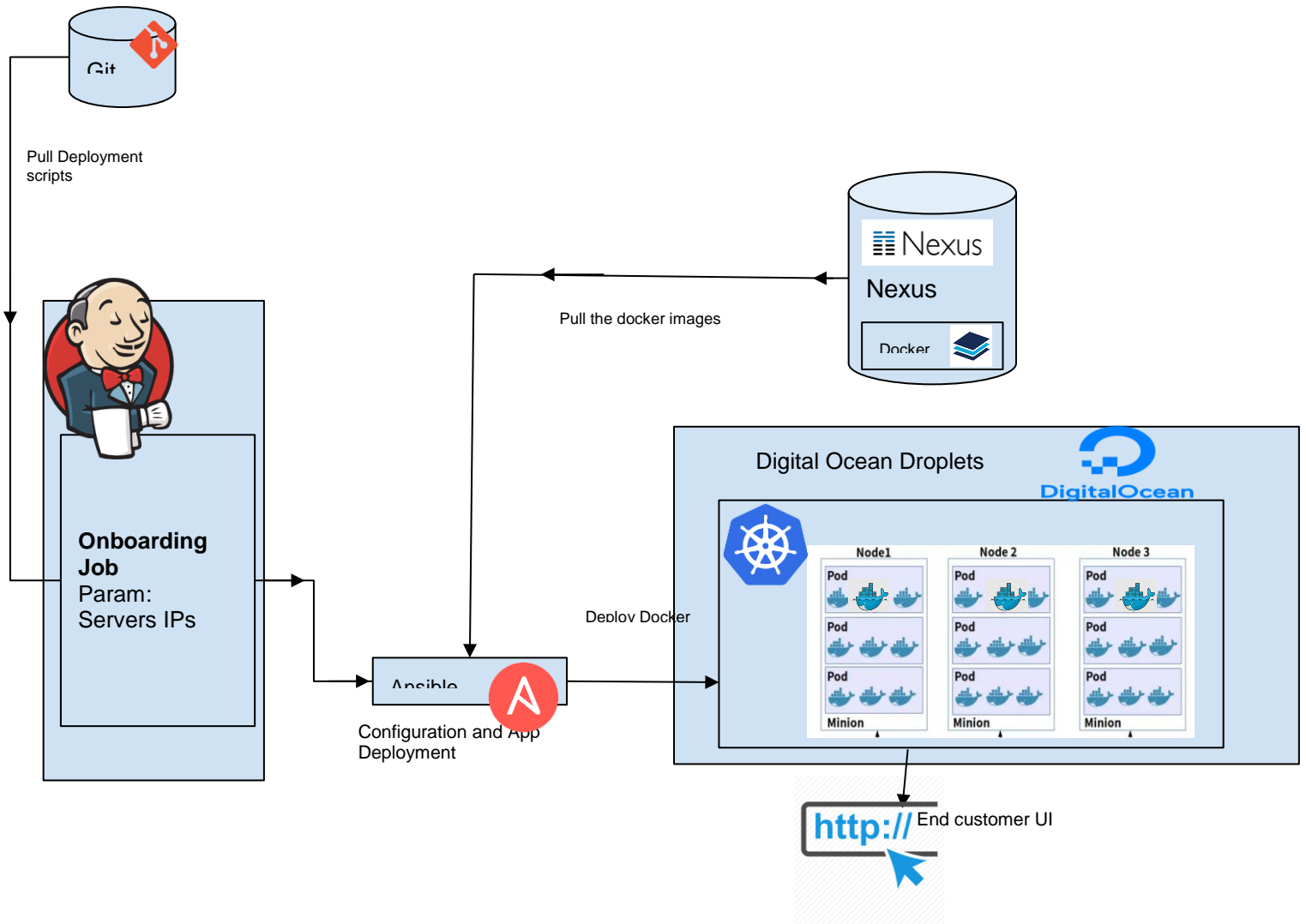


Compliance Compendium:

Application Build Process:



Application Deployment Flow:



Initial configuration :

1. The setup is complete with the installation of Jenkins and a Nexus Instance on two different droplets, this is one time setup.
2. Configured the Build jobs and Building the end artifacts (Docker Images) and storing into the Nexus Repo.
3. Kubernetes deployment and service yml files for Frontend, backend and DB applications, these scripts will help us to deploy the artifacts to the end Kubernetes Nodes.

4. Ansible scripts which install and configure the Kubernetes cluster on the newly provided droplets and deploys the applications using the deployment yml files.

On-Click workflow:-

1. The customer will sign up for the clients application and then he will receive a mail confirmation.
2. As soon as he confirms the mail a API call will trigger the Jenkins job with the parameters as the Server IP's.
3. Then the ansible installs and configures the kubernetes cluster and will trigger the K8S yml files to deploy the Applications to the Node servers.
4. As soon as the Applications are up and running, the user will be redirected to the Hosting UI page where he can use the application.