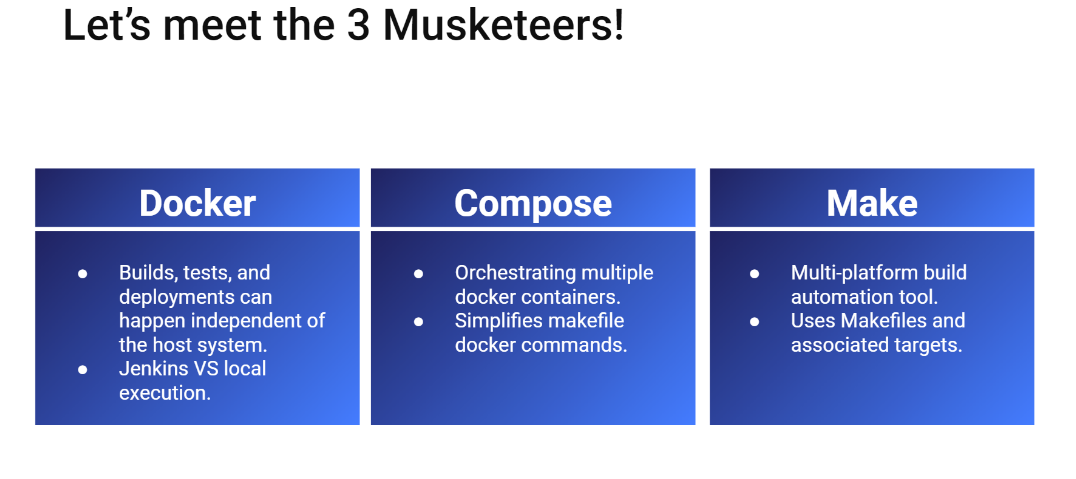
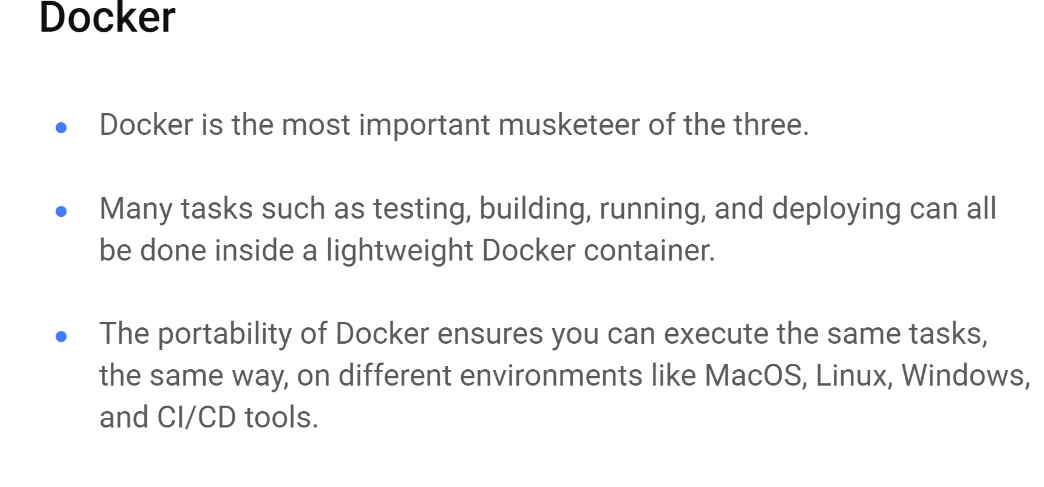
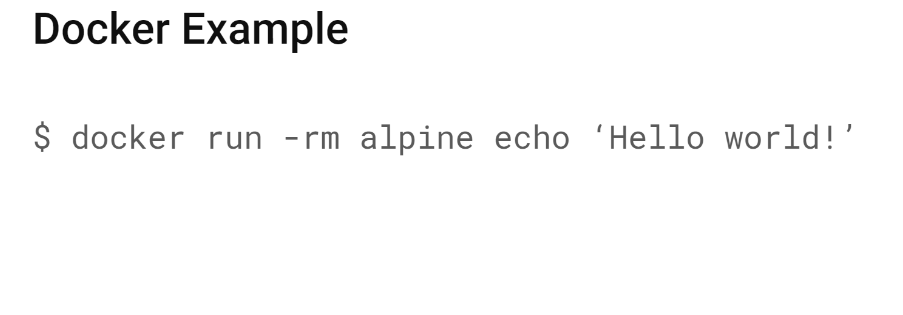
**Prerequisites**

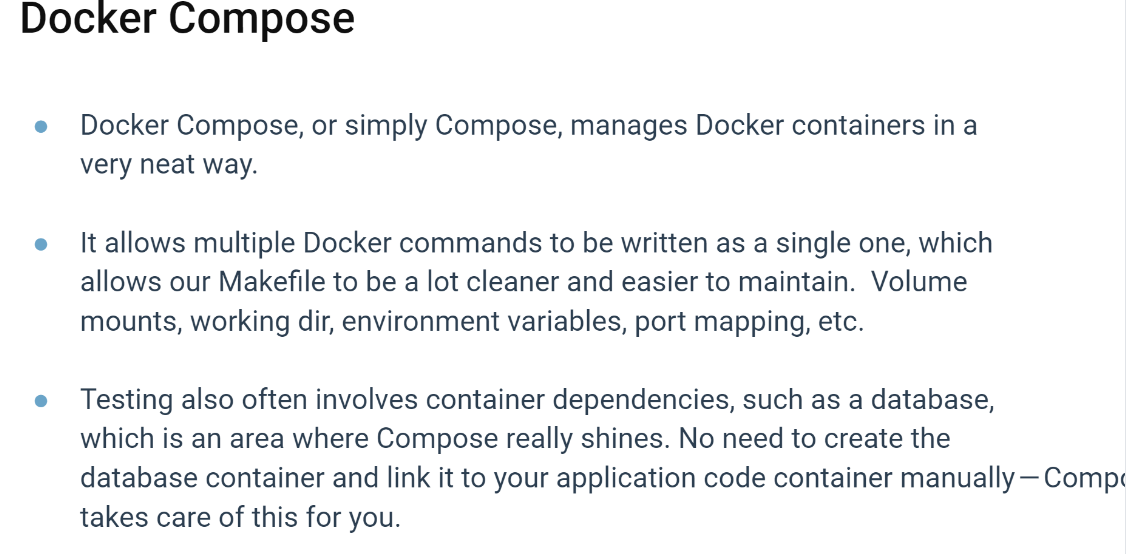
These are the prerequisites for a project that follows the 3 Musketeers:

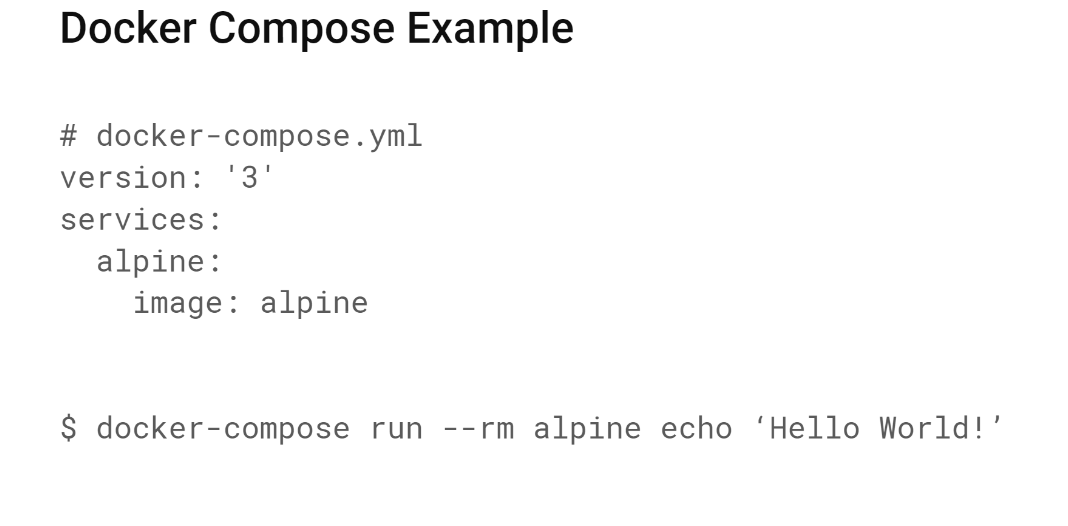
* [Docker](https://docs.docker.com/engine/installation/)
* [Compose](https://docs.docker.com/compose/install/)
* Make

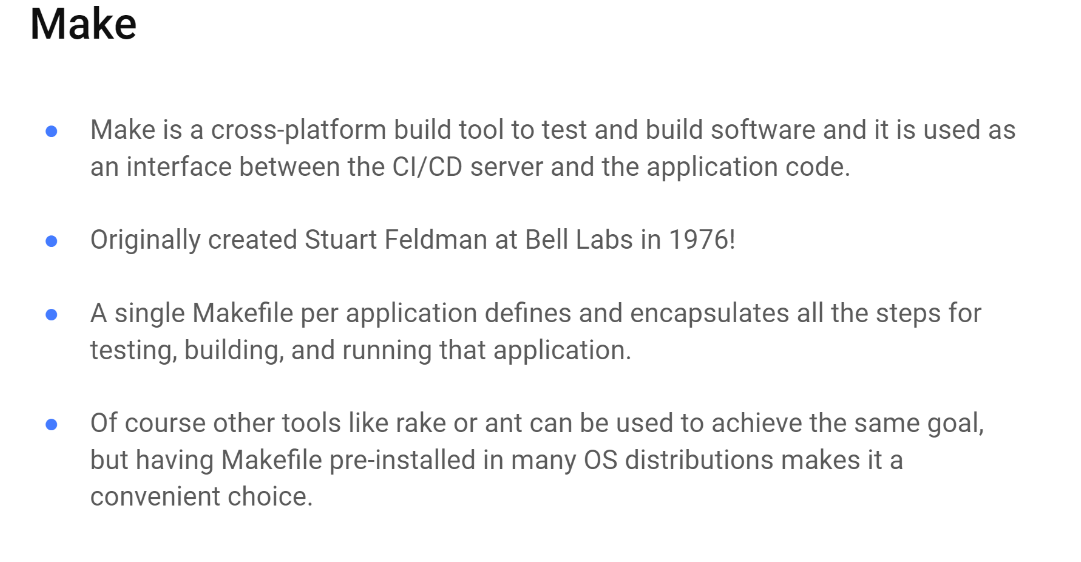




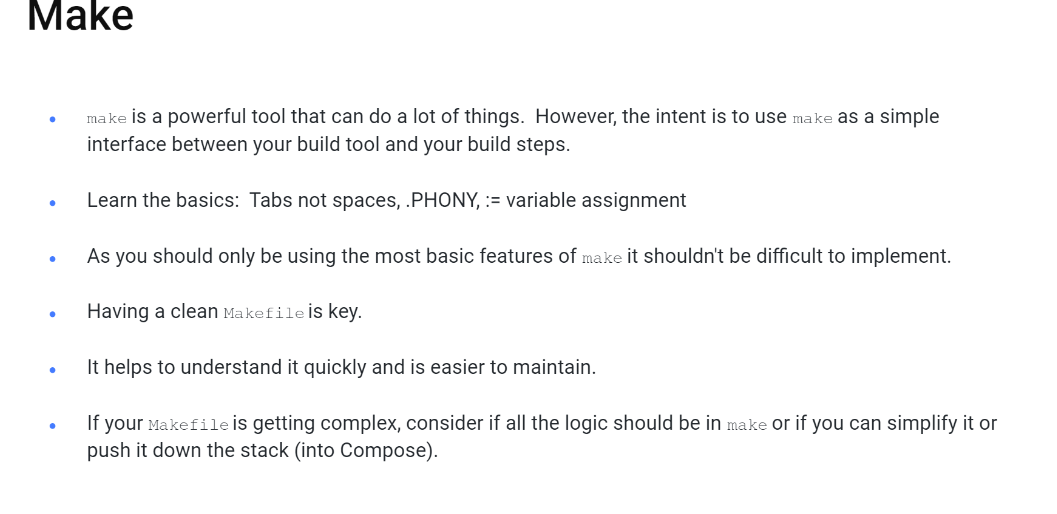


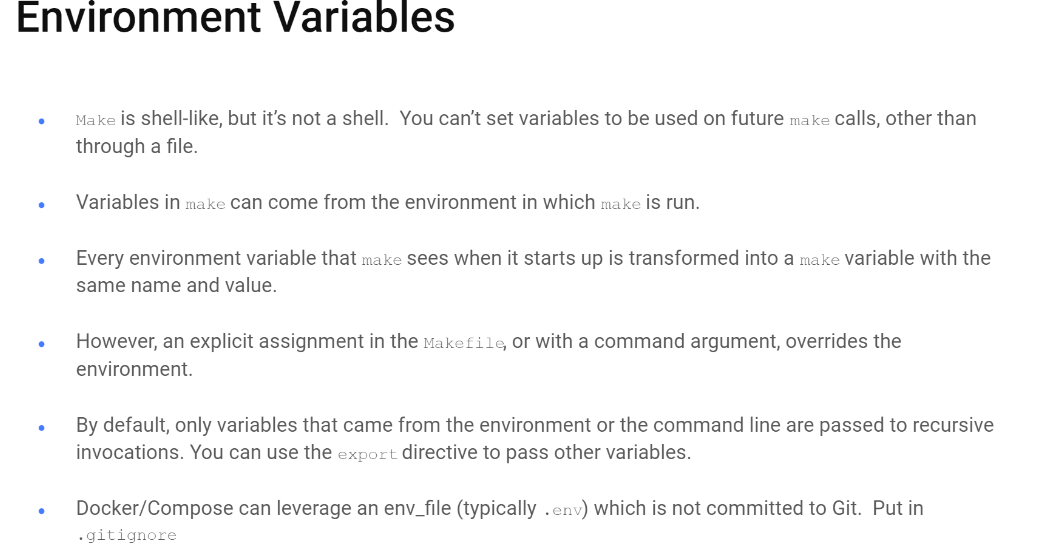




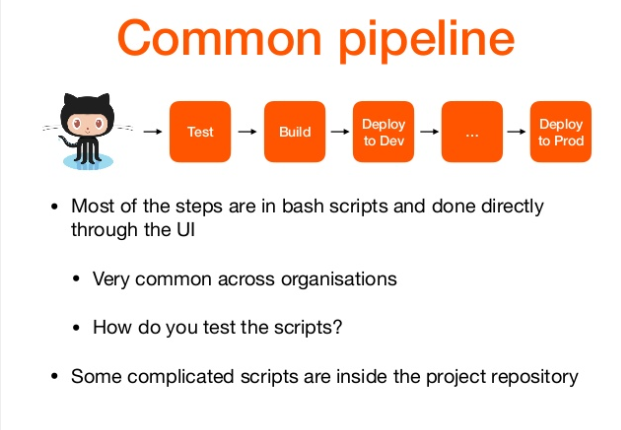


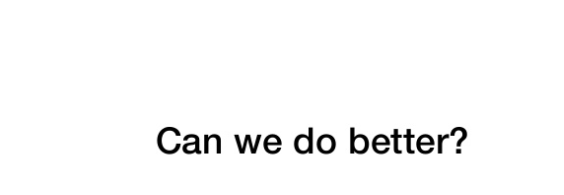


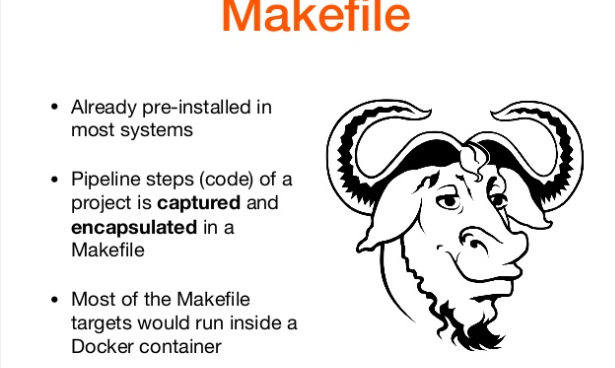


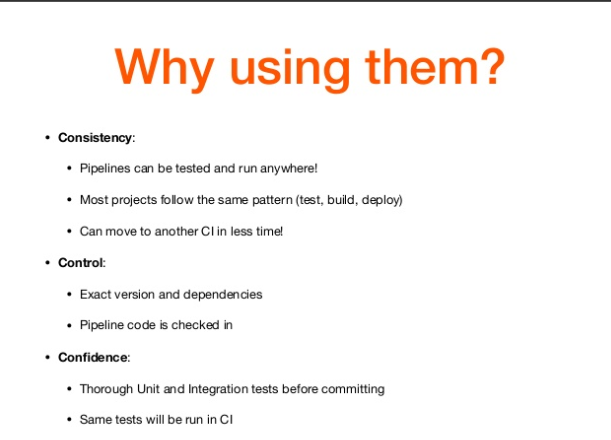


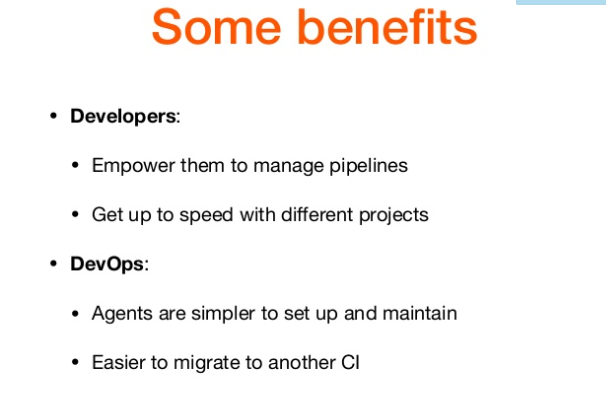








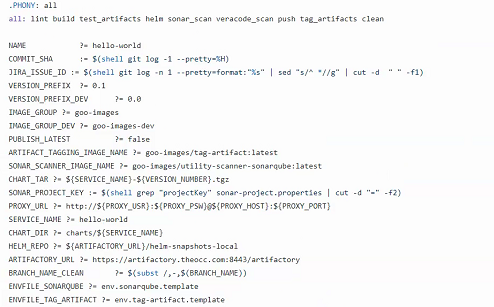




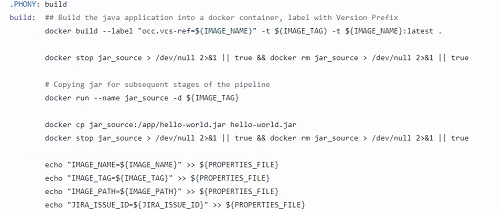
**The Following describes the make file being used in pipeline job for each stage.**

**Make file :**

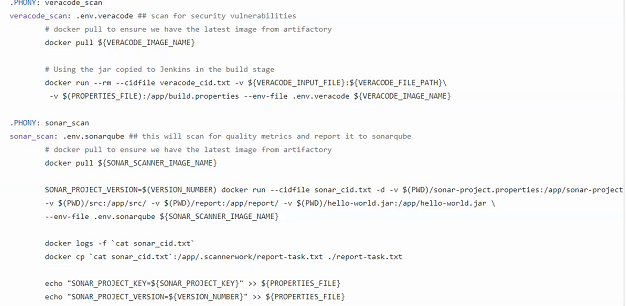
All: has the defined with the steps that make file going to handle in this.



Build stage:



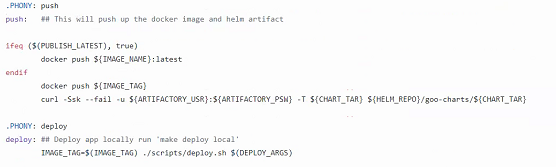
Code Scan(Coverage) stage:



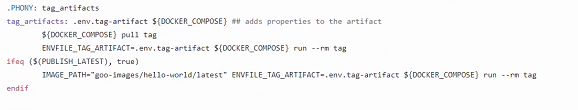
Run the tests:



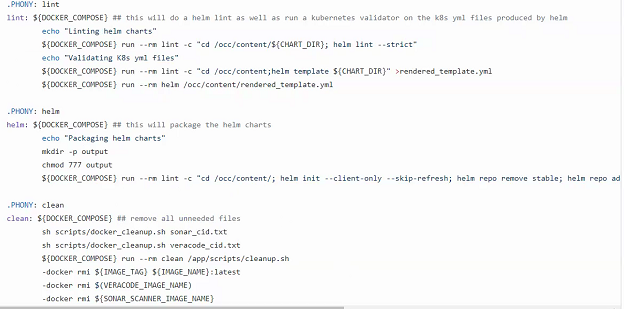
Push the artifact to artifactory and deploy the app locally to test the application



Tagging Artifacts:



Lint, helm and clean up images used



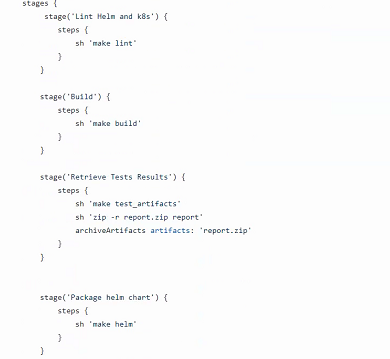
**Jenkins file :**

Using the above mentions make file stages using in pipe line job the can be triggered from Jenkins.

Defined the variables needs in the pipeline job



Using make lint validating the helm and k8s, make build the app and packaging the helm using the make helm



Sonar analysis defined in the pipe line using make file stages



Code scan step defined in the pipe line using make file stages

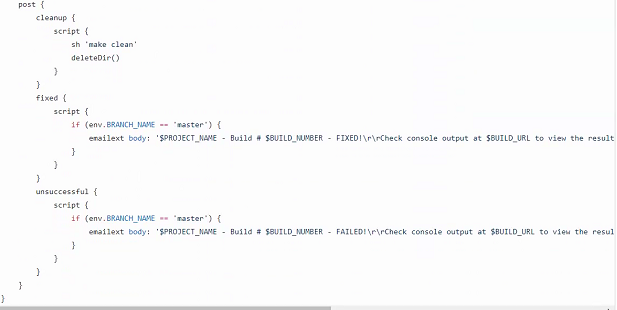


Tag artifacts defined in the pipe line using make file stages



Verification and clean up step defined in the pipe line using make file stages





Docker compose: Creates the containers using docker compose

