

Jenkins task I:

1. Setup a Jenkins master and slave using docker
2. Write a groovy script which:
 - a. Pulls code automatically from any version controller you prefer
 - b. Merge on a specific branch will trigger Jenkins build
 - c. The Job will create a "build_number".tar.gz dummy which contains a bash script:
 - i. Bash prints hostname
 - ii. Print memory usage
 - d. Deploy the dummy build on a VM and output of script should appear on Jenkins console output
 - e. If memory usage > 80%, fail the build and send alert or message with result
 - f. If memory usage < 80%, send success alert and upload the dummy build to a nexus repository which you need to set up
 - g. Run two concurrent jobs at the same time from the build
 - h. Build can be triggered by specific users only
 - i. Job receives parameters needed (for e.g IP address of virtual machines/ credentials)
 - j. Job can receive a parameter file which contains all parameters needed
 - k. Run two parallel dummy stages which:
 - i. List files under Jenkins workspace (stage)
 - ii. Print Jenkins Environment variables (stage)
 - iii. Edit one of the environment variables (stage)