Lab Exercise 6-Job Chaining in Jenkins

Below is a lab exercise that will help you understand and practice job chaining in Jenkins:

Task 1: Installation and Setup

• Install Jenkins on your local machine or server. You can follow the instructions provided on the Jenkins website for installation.

Task 2: Creating Jobs

• Create multiple Jenkins jobs, such as Job1, Job2, and Job3, to simulate job chaining and sequential execution.

Task 3: Configuring Job Dependencies

- Configure the Job2 to be triggered automatically when Job1 is completed successfully.
- Configure the Job3 to be triggered automatically when Job2 is completed successfully.

Task 4: Setting Up Build Triggers

• Configure build triggers for each job to automatically trigger downstream jobs upon successful completion of the upstream jobs.

Task 5: Defining Build Steps

• Define the build steps for each job. You can use simple shell commands or execute complex build scripts depending on the requirements of each job.

Task 6: Running the Jobs

- Run the Job1 and verify that it triggers Job2 upon successful completion.
- Monitor the execution of Job2 and ensure it triggers Job3 upon successful completion.

Task 7: Viewing Console Output and Logs

• View the console output and logs of each job to understand the sequence of execution and any potential issues.

Task 8: Cleanup

• Delete the jobs that were created during the exercise to clean up the Jenkins environment.

Task 9: Documentation and Best Practices

 Document your findings and the best practices for implementing job chaining in Jenkins.

Through this exercise, you'll gain a better understanding of how to configure job chaining in Jenkins and effectively manage the execution of dependent jobs. Adjust the exercise based on your specific use case and requirements.









