ACIT 4850 – Enterprise System Integration – Winter 2024

Lesson 6 – Shared Libraries

Like in software development, the DRY (Don't Repeat Yourself) principle can apply to pipeline development as well. You may be managing a large number of pipelines with identical stages and/or steps and you don't want to have to maintain each of them individually. In that case you can create shared libraries of pipeline components that can be re-used across multiple Jenkinsfile based pipelines. The shared library may define an entire pipeline, a stage or a set of steps.

Please read the following for Lesson 6 to learn more about shared libraries in Jenkins as well as tools for pipeline development:

- Shared Libraries in Jenkins Pipelines: https://jenkins.io/doc/book/pipeline/shared-libraries/

Pipeline development isn't as mature in terms of tools as software development and requires a lot of trial and error. There are a number of tools to help you with the development and troubleshooting of your pipelines.

- Pipeline Development Tools: https://jenkins.io/doc/book/pipeline/development/