Jenkins Shared Library/Ttemplatingemplating Engine

<https://cd.foundation/blog/2020/08/05/jenkins-templating-engine-how-to-build-reusable-pipeline-templates/>

A shared library in Jenkins is a collection of Groovy scripts shared between different Jenkins jobs. To run the scripts, they are pulled into a Jenkinsfile.

Each shared library requires users to define a name and a method of retrieving source code. These methods include local files, Git repositories, and Jenkins SCM plugins. Optionally, users can also set a default library version.

Shared libraries are stored in git repositories. Versioning, tagging and other Git functionalities are at the user's disposal.

Developers use shared libraries to avoid writing the same code from scratch for multiple projects. Shared libraries share code across development projects, thus optimizing the software development life cycle. This drastically cuts down time spent on coding and helps avoid duplicate code.

Creating a shared library also simplifies the process of pushing source code updates for a project. Updating the library source code also updates the code of every project that uses the library.

<https://phoenixnap.com/kb/jenkins-shared-library>

















