

Jenkinsfile Deep Dive (Bonus Module)

Welcome to Module 3 of the Essentials of Jenkins for DevOps Practitioners course! In the previous module, we explored the fundamentals of Jenkins and learned how to manually build a CI pipeline for a Node.js application. We discovered how to create and configure Jenkins jobs, connect them with upstream and downstream configurations, and visualize the pipeline using the Build Pipeline Plugin.

In this module, we'll take a significant leap forward in our Jenkins journey by embracing the concept of "Pipeline as Code." We'll learn how to define our entire CI/CD pipeline using a declarative language, enabling us to version control our pipeline and treat it as an integral part of our application codebase.

In this module, we'll dive deep into the world of Declarative Pipelines, the preferred approach for writing Pipeline as Code in Jenkins. We'll explore the syntax and structure of Declarative Pipelines, understand the concept of stages, steps, and post actions, and learn best practices for writing efficient and maintainable pipelines.

Throughout the module, we'll be working with the Sysfoo application, but the concepts and techniques you'll learn can be applied to any application or project.

Get ready to revolutionize your CI/CD process with Pipeline as Code! Let's embark on this exciting journey and unlock the full potential of Jenkins pipelines.