Video 4.2

What you will learn in this video

Theory:

- What is a Jenkinsfile
- Declarative and scripted pipelines

Practice:

• Create and run simple pipeline jobs

 A script containing the definition and the steps to execute in a Jenkins pipeline

 A script containing the definition and the steps to execute in a Jenkins pipeline

• Typically stored under version control at the root level of the repository

 A script containing the definition and the steps to execute in a Jenkins pipeline

• Typically stored under version control at the root level of the repository

Written using a DSL based on Groovy

- A script containing the definition and the steps to execute in a Jenkins pipeline
- Typically stored under version control at the root level of the repository
- Written using a DSL based on Groovy
- Can use declarative or scripted syntax

Scripted Pipeline

• Imperative programming model

- Imperative programming model
- Suited for complex requirements

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script
- Could become messy if unfamiliar with Groovy

Scripted Pipeline

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script
- Could become messy if unfamiliar with Groovy

Declarative Pipeline

• Declarative programming model

Scripted Pipeline

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script
- Could become messy if unfamiliar with Groovy

- Declarative programming model
- Suited for regular requirements

Scripted Pipeline

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script
- Could become messy if unfamiliar with Groovy

- Declarative programming model
- Suited for regular requirements
- Very readable, opinionated syntax, stricter and pre-defined structure

Scripted Pipeline

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script
- Could become messy if unfamiliar with Groovy

- Declarative programming model
- Suited for regular requirements
- Very readable, opinionated syntax, stricter and pre-defined structure
- Can integrate scripted syntax

Scripted Pipeline

- Imperative programming model
- Suited for complex requirements
- Flexible and extensible
- Can do anything that Groovy can script
- Could become messy if unfamiliar with Groovy

- Declarative programming model
- Suited for regular requirements
- Very readable, opinionated syntax, stricter and pre-defined structure
- Can integrate scripted syntax
- Learning curve if unfamiliar with declarative programming

Next Video

Video 4.3 CD Pipeline Overview and Intro to Docker

