DevOpsSchool
Lets Learn, Share & Practice DevOps

Apache Ant Essential Training

Curriculum 2 Day

Day - 1

- **Introduction**
  - What is Ant?
  - What makes Ant so special?
  - When to use Ant
  - When not to use Ant
  - Alternatives to Ant
- **A First Ant build**
  - Defining the first project
  - Step zero: creating the project directory
  - Step one: verifying the tools are in place
  - Step two: writing your first Ant build file
  - Step three: running your first build
  - Step four: imposing structure
  - Step five: running our program
  - Ant command-line options
  - Examining the final build file
  - Running the build under an IDE

Day - 2

- **Testing with JUnit**
  - **What is testing, and why do it?**
  - **Introducing the application**
  - **How to test a program**
  - **Introducing JUnit**
  - **The JUnit task:**
  - **Generating HTML test reports**
  - **Advanced techniques**
  - **Best practices**
- **Packaging Projects**
  - **Working with files**
  - **Introducing mappers**
  - **Modifying files as you go**
  - **Preparing to package**
  - **Creating JAR files**

- **Understanding Ant Datatypes and Properties**
  - Preliminaries
  - Introducing datatypes and properties with
  - Paths
  - Filesets
  - Selectors
  - Additional Ant datatypes
  - Properties
  - Controlling Ant with properties
  - Managing library dependencies
  - Resources: Ants secret data model
  - Best practices

  - **Testing with JAR files**
  - **Creating Zip files**
  - **Packaging for UNIX**
  - **Working with resources**

- **Executing Programs**
  - Running programs under Ant? An introduction
  - Running native programs
  - Advanced and
  - Bulk operations with
  - Best practices