

# Groovy and Grails

## Delivery Methods

- Instructor-led training
- Live-online
- Onsite training

## Course Duration

- Three days of instructor-led training
- 50% lecture, 50% hands-on lab

## Target Audience

- Developers
- Architects

## Prerequisites

- Experience with developing applications using Java

## Pricing

Contact your VMware® representative or a VMware Authorized Training Center for pricing information.

## More Information

Courses are conveniently scheduled around the world. Go to <http://www.vmware.com/education> to find the class that is right for you.

Onsite training is available for customers who prefer to bring a VMware Certified Instructor to their own facilities. For more information about onsite classes, including facility requirements, go to <http://www.vmware.com/education>.

## Course Overview

This 3-day intensive training covers both Groovy and Grails in great detail. After a thorough introduction to the technology, students are taken through many advanced aspects of both the Groovy programming language and the Grails web application framework.

This training is designed to quickly move teams beyond the basics and on to the most powerful aspects of both Groovy and Grails. Students should expect intensive, hands-on interactive lab work.

For other VMware® course options, see [www.vmware.com/education](http://www.vmware.com/education).

## Course Objectives

At the end of the training, you should gain an understanding of the Groovy programming language and the associated framework Grails, and you should be able to do the following:

- Write programs using Groovy
- Integrate with Java
- Use Grails for Web development and persistence
- Have a sound knowledge of all the core concepts from the Web to the persistence layer
- Understand key development best practices that enable the development of higher quality code

## Course Modules

### Day 1

#### The Groovy Language

- Introduction to Groovy
- Installation and Tools
- Groovy Beans
- Language Fundamentals
- Collections and Closures
- Miscellaneous APIs, Java Interoperability, and Metaprogramming
- Groovy Testing

### Day 3

#### Services, Tag Libraries, and Plug-Ins

- Services
- Grails and Spring
- GSP, Tag Libraries, and GSP Templates
- Sitemesh Layout, Ajax
- Grails Plug-ins

### Day 2

#### Developing Enterprise Applications with Grails

- Introduction to Grails
- Installation, Grails Quick Start
- Scaffolding
- GORM and Controllers



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