

PRG505 : Ruby on Rails Programming

Code :

PRG505

Duration :

3 days

Category :

Frameworks

Audience :

This course is intended for developers who want to work with the new state of art framework Ruby on Rails or Rails for short.

Prerequisites :

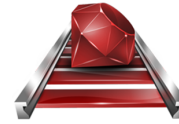
Some basic programming experience and knowledge is required. Knowledge of web standards such as HTTP and HTML is an advantage.

Realization :

The theory is discussed on the basis of presentation slides. The concepts are illustrated with demos. The theory is interspersed with exercises. The course material is in English.



Ruby on Rails



Contents :

In this Rails training the participants are trained to become Rails developers. Rails is a framework for the pragmatic development of a full-blown web application. The framework is based on the Model Driven Design paradigm. First the most important characteristics of the Ruby programming language are discussed. This knowledge is needed to be able to develop without too many problems with Rails. After this introduction, attention is entirely focused on the Rails framework. The whole Rails stack (model, view and controller) is treated in full detail. Then all the important issues for the successful build a Rails application are on the agenda such as Active Record, Action View and Controller.

Module 1 : Rails Intro

Introducing Ruby
Installing Ruby on Rails
Rails Environments and Configuration
Rails Routing

Module 2 : Rails and REST

REST (Representational State Transfer),
Resources and Rails
Controllers

Module 3 : Active Record

Active Record
ActiveRecord Migrations
Active Record Associations
Validations
Advanced Active Record

Module 4 : Rails Actions

Action View
Helpers (Advanced)
Rails and AJAX

Module 5 : Security

Session Management
Authentications and UserControl
XML and Active Resource
Action Mailer

Module 6 : Performance

Caching and Performance (Advanced)
Logging and Troubleshooting
RSpec and Rails API
Plugins
Batch and Background Processing