

RapidMiner Server: Web Apps and Deployment

Course Overview

RapidMiner Server: Web Apps and Deployment is a comprehensive two day course focusing on the RapidMiner Server product from the perspective of an analyst and an administrator and provides a platform for collaboration for a data science team. It provides a vehicle to automate recurring tasks, a reporting mechanism for non-technical users, and integrates well into existing IT infrastructures. Since every element of a RapidMiner Server dashboard is powered by a RapidMiner process, clever designers can create interactive displays that incorporate an endless array of functionality to accommodate various business requirements.

After successfully completing this course, participants will have a solid understanding of how RapidMiner Server functions. Participants will be able to deploy predictive models, collaborate with team members, automate processes, manage access rights, design reports & interactive dashboards, and will be ready to extend their knowledge to advanced topics such as Big Data Analytics with RapidMiner Radoop and Text Mining with RapidMiner.

Practical exercises during the course prepare students to take the knowledge gained and apply to their own RapidMiner Server installations. Since the class labs are hands-on and performed on the participants' personal laptops, students will take actual classwork home with them, which will provide a jumpstart to the real world.

Target Audience

Analysts, Developers, and Administrators

Prerequisites

Basic knowledge of computer programs and mathematics

RapidMiner Basics Part 1

RapidMiner Basics Part 2

Course Objectives

After the training, students will have the ability to:

- Utilize RapidMiner Server as a tool for collaboration
- Deploy analytical models built with RapidMiner Studio using RapidMiner Server

- Automate and schedule processes
- Manage access rights for RapidMiner Server
- Integrate models into their business process using web services
- Design and launch web-based reports
- Create interactive dashboards
- Develop parameterized processes to interpret end-user feedback

Course Outline

- **Collaboration**
 - ◇ Sharing Data Repositories
 - ◇ Sharing Workloads for Process Development
 - ◇ Parameterizing Processes for Broader Use
 - ◇ Building a Process Library
 - ◇ Reducing Device Specific Bottlenecks in a Workflow
- **Automation**
 - ◇ Deploying Tested Models in a Production Environment
 - ◇ Scheduling Processes
 - ◇ Using Triggers
 - ◇ Turning RapidMiner Processes into Web Services
- **Administration**
 - ◇ Understanding Changes RapidMiner Server makes to Studio Interface
 - ◇ Navigating the Admin Console Web Interface
 - ◇ Controlling User Access with Roles
 - ◇ Managing Throughput with Process Queues
- **Reporting**
 - ◇ Exporting Results to Files
 - ◇ Designing Informative Data Visualizations for the Web
 - ◇ Creating Interactive Environments for Ad Hoc Analysis