

Updated on 24/02/2023

[Sign up](#)

Rudder training

3 days (21 hours)

Presentation

Rudder is a Continuous Configuration and Audit solution. Published by the French company Normation, Rudder is particularly well-suited to production infrastructures requiring scalability and industrial-scale server management. A guarantee of quality, since its creation, Rudder has supported prestigious companies such as BMW, Caisse des Dépôts, BPCE (Banque Populaire & Caisse d'Epargne), Sagem Communications...

Developed in 2010 and released as open source in October 2011 by Normation, **Rudder** is a free software application for automatic server configuration (or IT asset management). It is designed to be simple to use, web-oriented and applies role-driven reasoning. It relies on lightweight agents installed locally on each managed machine.

Rudder is a French, open source, multi-platform professional solution for managing the configurations of mission-critical systems. Based on the concept of Continuous Configuration, RUDDER embodies the fusion of configuration management and continuous auditing.

In this training course, with the help of our expert, you will first learn how to understand Rudder, how it works and what it can do for your architecture.

You'll also be able to [discover all the new features](#) of version 5, including its ecosystem of plugins, making it even more flexible and modular. You'll then be able to use Rudder's advanced features, such as adding nodes and defining node groups. Finally, we'll see how to place Rudder at the heart of a demanding production environment by applying and verifying proper configuration conformance. Throughout this course, you'll master DevOps best practices to ensure the consistency of your IS with Rudder.

Like all our training courses, this one will introduce you to the latest stable version: [Rudder 6.1.1](#) at the time of writing, released on July 3, 2020.

Objectives

- Deploy infrastructure and manage server configuration
- Install, update and configure application middleware
- Manage, apply and continuously verify security policies

Target audience

- Systems Engineer, Infrastructure & Systems Administrator.
- Technical teams looking for a centralized system configuration management solution.

Prerequisites

- Basic knowledge of a Unix/Linux system, basic notions of scripting/shell.

Program of our Rudder: Continuous Configuration training course

Rudder VS Puppet VS Chef

- What is Rudder? When is it used?
- Advantages and disadvantages
- Lightweight agent coded in C (rather than Ruby for Puppet)

Rudder 5: What's new

- Validation workflow localization
- Report enhancement: advanced reporting tool
- External authentication
 - Directories (AD, LDAP, etc.)
- Branding
- Share-based access rights
- Integrations
 - Centreon (Supervision)
 - Zabbix (Supervision)
 - iTop (data synchronization between CMDB and RUDDER)
 - Vault (Password management)
- Notification
- Package: Packaging and distribution of packages
 - Apache
 - PostgreSQL

Introduction to the Continuous Configuration concept

- Introduction to Continuous Configuration (CC)
- What's new in version 5 of Rudder
- Infrastructure diagram

Continuous growth

- Scalability of your infrastructure
- Metric
- List and Audit

Continuous availability

- What to put in place
- Best practices

Continuous risk

- CheckList
- Audit

Managing the system base

- Distributing SSH keys
- DNS settings
- Manage users
- Set permissions on folders and files
- Lancer des tâches / Tasks Run
- Managing security certificates

Middleware

- Install
- Update
- Configuring middleware
- Application server
- Web server
- Hypervisor
- Container orchestrator
- Database
- Internal & external application

Overview of security policies for your infrastructure

- Apply and continuously verify security policies

- Compliance with your company's internal standards
- external standards
- ISO 27001
- PCI-DSS
- PSSI (ANSSI)

Companies concerned

This course is aimed at companies, large or small, wishing to train their teams in a new, advanced computer technology.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire is used to check that skills have been correctly acquired.

Sanction

A certificate will be issued to each trainee who completes the course.