

Updated 12/12/2023

Sign up

GreenOps training: Simplify your DevOps experience

2 days (14 hours)

Presentation

Create your optimized deployment pipelines for Kubernetes-based applications with our GreenOps training. Eliminate overhead and improve productivity. Become able to automate configurations and secure your pipelines.

In this course, you'll use [DORA metrics](#) to obtain pipeline reports to identify bottlenecks. You'll use pipeline guardrails to reduce misconfigured deployments.

You'll automatically execute the pipelines you've created. You can then display and manage deployment operations via a central control plan.

With the GreenOps platform, you can adapt your engineering requirements to your organization. It's designed to adapt to the changing needs of your business. The platform also simplifies and enhances your Argo experience with useful features and ready-to-use configurations.

Our training course will feature the [latest](#) GreenOps [developments](#).

Objectives

- Deploying an application in production with GreenOps and Argo
- Automate pipelines with progressive delivery and customized steps
- Measuring product speed with DORA metrics
- Create your deployment pipeline

Target audience

- DevOps
- Developers

Prerequisites

Basic knowledge of DevOps.

GreenOps Training Program

Tool introduction

- Introducing GreenOps
- Installation and configuration
- Use cases
- First steps
- Cluster registration

Building on Argo

- POC for adoption
- Operations and centralization
- Safety and reliability
- Demonstration and developer experience
- Expert assistance

Authentication and security

- Authentication
- Configuring SSO to access GreenOps
- Authorization
 - RBAC authorization structure
 - RBAC resources and actions
 - Roles and groups
 - Use existing identity provider roles
- Configuring Okta with SAML
 - Setting up single sign-on via the GreenOps user interface
 - Okta configuration
 - GreenOps bar configuration

Clusters and environments

- Adding a manifest file

- Daemons
 - Configuring daemons
 - Kubernetes daemon update
 - Deploying the daemon
- API key rotation

Metrics

- DORA Metric
- Customized metrics
- Bodyguards

Audit logs

- Keep a complete audit log
- Creating a container with continuous verification logic
- Correction pipelines
- Restoration ecosystem
- Configure failure rates in application traffic

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

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 verifies the correct acquisition of skills.

Sanction

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