

Updated on 09/10/2025

Sign up

GreenOps training: Simplify your DevOps experience

2 days (14 hours)

Presentation

Our GreenOps training course will teach you all the skills you need to limit your company's ecological impact. Designed to meet today's ecological challenges, our training course will guide you from the eco-design of your services and products to the optimization of projects already in place.

In this course, you'll learn how to reconcile IT performance with a reasonable [carbon footprint](#) through energy optimization and sustainable resource management. You'll also learn about the 3 pillars of eco-design, essential for designing low-impact digital services.

This course will also teach you how to use essential tools and guidelines. Familiarize yourself with NegaOctet, Boavizta, [RGESN](#) and ADEME to assess and optimize the energy consumption of your infrastructures.

Objectives

- Understand the principles of GreenOps
- Master the 3 pillars of eco-design
- Know how to use the tools required for GreenOps.

Target audience

- IT and DevOps managers
- Developers
- Project managers/managers

Prerequisites

- Basic knowledge of DevOps.
- Basic knowledge of cloud computing

GreenOps Training Program

Introduction and objectives of GreenOps

- Context and definition
- Optimizing energy efficiency
- Sustainable resource management
- Clean and sustainable technologies
- Awareness and training

Environmental issues and digital infrastructure

- Carbon footprints
- Life cycle assessment
- Infrastructure impacts
- Choice of cloud provider
- Future prospects

The three pillars of eco-design

- General principles of digital eco-design
 - Pillar 1 - Sobriety: Deconstructing preconceived ideas, history and concrete examples of "sober" services
 - Pillar 2 - Efficiency: Definition, tools and methods for optimizing performance while reducing consumption
 - Pillar 3 - Observability: Importance of logs, metrics and alerts to measure and adjust the ecological footprint
- Existing tools : Open source solutions and repositories

GreenOps in Practice

- Impact identification: analyze energy-hungry components and prioritize actions
 - Digital sobriety: case studies and feedback
 - Operational efficiency: maintain infrastructure performance while reducing energy consumption
 - Advanced observability: Setting up indicators to measure progress and adapt strategy
- GreenOps

FinOps and GreenOps

- FinOps vs GreenOps
- Eco-design and CI/CD: Environmental impact of continuous integration and deployment chains
- Sobriety applied to CI/CD: Tips for reducing consumption
- Putting it into practice: Workshop to design a sober and sustainable CI/CD loop
- Examples of tools

Essential tools and reference systems

- NegaOctet: Methods for assessing and optimizing the energy consumption of digital services
- Boavizta: Measuring the environmental impact of ICT, key indicators and practical guides
- ADEME: Government resources for ecological transition and emissions reduction
- RGEN: Presentation, eco-design criteria and application to OPS
- Synergies between tools: How to combine these different standards to reinforce the GreenOps approach

Hybrid Cloud, Move to Cloud and Resource Minimization

- Hybrid Cloud resource management
- Move to Cloud strategy
- FinOps integration
- Minimizing resource use
- Feedback: sharing best practices and concrete success stories from different customers

Governance & Processes

- Aligned roles and responsibilities
- Process definition: selecting and customizing tools for a sustainable IT transition
- Awareness of environmental impact
- Awareness-raising and ongoing training of teams
- Carbon footprint management and monitoring
- Continuous improvement

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced IT 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 forthcoming course, 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 training: 60% hands-on, 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.

Certification

A certificate will be awarded to each trainee who has completed the entire course.