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Updated on 02/20/2026

Register

Devstral 2 Training: DevOps Automation with Vibe CLI

2 days (14 hours)

Overview

Devstral 2 is a software engineering-oriented AI model designed to drive agents capable of exploring a codebase, modifying multiple files, and executing tool-based actions. Coupled with Mistral Vibe CLI, it provides a "terminal-first" approach to accelerate DevOps automation: repository analysis, patch generation, Git orchestration, testing, CI/CD, and IaC.

Our training will enable you to master agentic assistance in a DevOps context: installation, security, effective prompts, action control, integration with Git workflows, and industrialization in your pipelines.

You will learn how to diagnose a CI, produce multi-file changes, generate tests, and secure execution, while maintaining systematic human validation.

At the end of the training, you will be able to reliably deploy Vibe CLI, structure reproducible workflows, and industrialize DevOps automations with security, quality, and governance safeguards.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Automate DevOps tasks with a terminal agent
- Structure "agent" prompts and reusable templates
- Integrate Vibe CLI into a Git and CI/CD workflow with human control
- Apply the agent to IaC and platforms while limiting risks

- Implement safeguards: security, traceability, rollback, governance

Target audience

- DevOps engineers / SRE engineers / Platform engineers
- Tech Leads
- CI/CD managers

Prerequisites

- Comfortable with the terminal and basic commands
- Knowledge of Git and CI/CD concepts
- General understanding of a delivery pipeline

Devstral 2 training: DevOps automation with Vibe CLI

[Day 1 - Morning]

Install, configure, and secure the agent in the terminal

- Understanding Devstral 2 and its "agent" use for software engineering (devstral-2512 model)
- Install and configure Mistral Vibe CLI: environment, configuration, project context
- Define a DevOps framework: objectives, constraints, acceptance criteria, and human validation
- Secure execution: secrets, variables, permissions, "least privilege," isolation
- Build result-oriented prompts: context, limits, output formats, expected evidence
- Hands-on workshop: Install Vibe, connect it to a repo, execute a first guided task.

[Day 1 - Afternoon]

Exploring a codebase as an SRE

- Mapping a code base: structure, dependencies, conventions, hot spots
- Building context: key files, CI, documentation, critical areas
- Produce an impact analysis: affected files, risks, rollback plan
- Make multi-file changes: targeted refactoring, standardization, debt reduction
- Generate operational documentation: technical notes, README, operating checklist.

Git and workflows: from patch to clean PR

- Orchestrating a complete Git flow: branch, atomic commits, conventions
- Automate checks: lint, format, unit tests, static analysis
- Prepare a Pull Request: description, checklist, impacts, risks, rollback

- Manage iterations and conflicts: rebase, guided corrections, controlled recovery
- Put safeguards in place: branch protections, mandatory reviews, merge rules
- Hands-on workshop: Producing a complete PR with human validation.

[Day 2 - Morning]

Tests, CI, and controlled execution

- Industrializing tests: unit, integration, smoke, edge cases
- Diagnosing CI: logs, steps, artifacts, root causes
- Optimizing CI: parallelization, cache, execution time, flakiness
- Deployments: blue/green, canary, feature flags, rollback strategies
- Supervising execution: dry-run, confirmation, logging, traceability
- Hands-on workshop: Debugging a failed pipeline and delivering a complete fix.

[Day 2 - Afternoon]

IaC and platforms: automate without breaking

- Applying the agent to IaC: Terraform/OpenTofu, manifests, Helm (reading, correction, generation)
- Automating platform tasks: Kubernetes, configuration, diagnostics, operating scripts
- Securing infrastructure: secrets, RBAC, policies, scanning, compliance
- Creating automation playbooks: recurring tasks, templates, checklists
- Implement "safe changes": small iterations, checks, systematic rollback.

Governance, quality, and scaling

- Standardize: prompts, templates, commit/PR conventions, Definition of Done
- Observability: logs, metrics, traces, alerting on pipelines and deployments
- Create a runbook: CI/CD incidents, deployment, infrastructure, and recovery procedures
- Measure impact: lead time, MTTR, quality, failure rate, execution cost
- Govern AI: traceability, human review, compliance, security
- Hands-on workshop: Complete workflow with governance rules.

Target companies

This training is intended for 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 at the start of training

The positioning at the start of the training complies with Qualiopi quality criteria. Upon final registration, the learner receives a self-assessment questionnaire that allows us to assess their estimated level of knowledge of different types of technologies, their expectations, and their personal objectives

regarding the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

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

Assessment

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

Certification

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