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Register

Advanced Datadog Training

1 day (7 hours)

Overview

[Datadog](#) is infrastructure monitoring software for businesses. This monitoring platform for cloud-based applications provides tools for monitoring servers and databases.

Our Advanced Datadog training is designed for technical teams who want to leverage all the platform's capabilities to improve operability and application performance.

This training will allow you to deepen your knowledge of APM: detailed dependency analysis, service flow visualization, and accelerated incident resolution through intelligent correlation with logs. You will also learn how to optimize your logs using custom pipelines, contextual enrichment, and advanced filtering.

Like all our training courses, this one will introduce you to the latest [stable version](#) and its new features, Datadog Version 7.

Objectives

- Master the advanced features of Datadog
- Know how to diagnose, optimize, and automate observability at scale
- Apply best practices for monitoring modern applications

Target audience

- System administrators
- DevOps
- Infrastructure engineers
- Application managers

- Incident managers
- Load testers
- Developer

Prerequisites

- Good knowledge of the tool or completion of our Datadog training course
- Have an account on Datadog

Our advanced Datadog training program

Introduction

to Advanced

APM

- Detailed performance analysis by service and dependency
- Service view (flow map), advanced filters
- Most common sources of slowness
- Practical exercise: exploring an incident via APM + correlation with logs

Enriched logs and smart filtering

- Custom pipelines, complex extractions (Grok, nested JSON)
- Adding context: tags, environment, user
- Practical exercise: writing a pipeline that enriches and filters logs

Complex metrics

- Creating custom metrics (application & logs)
- Time aggregation, filters, mathematical functions
- Practical exercise: creating and viewing metrics from logs

Monitoring distributed services

- Objective: monitor an application composed of front-end, back-end, and database
- Distributed APM: tracing a user call from the browser to the database
- Advanced alerts: combining multiple conditions, alerts for missing data
- Dynamic dashboards: creation from templates, multi-environment filters
- LLM observability
- Practical

Scalable dynamic dashboards

- Advanced dynamic templates (multi-var, nested vars)
- Custom HTML/JS widgets + integrated notebooks
- Automated drill-down (interaction between dashboards)
- Dashboard-as-code
- Practical

Best practices & optimization

- Organizing observability: naming, environment, tags
- Limit costs: key metrics, log filtering, targeted dashboards
- Automate configuration (API, export/import)

CI/CD

- Enriched deployment traces
- Observability quality control in CI (observability coverage testing)
- Practice

Conclusion & resources

Companies involved

This training is aimed at both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Placement at the start of training

The placement test at the start of the training course complies with Qualiopi quality criteria. Once they have finalized their registration, learners receive a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training course, 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 reflection sessions, and group work.

Validation

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.