Updated 05/28/2024

Sign up

DynaTrace training
3 days (21 hours)

Presentation

Our Dynatrace training course will enable you to monitor the full stack and supervise the availability and performance of your applications, infrastructures, including containers and cloud services, as well as their impact on the user experience. The training will teach you the fundamental concepts of Dynatrace, such as in-depth transaction monitoring, synthetic monitoring, real users and the network.

Our professionally-led live Dynatrace training is designed for people working on incidentology, performance and KPI/SLA monitoring. Dynatrace will enable you to effectively diagnose your applications, services and infrastructures on a variety of levels.
platforms and equipment.

Following this course, participants will be able to install and configure Dynatrace, as well as understand its architecture, create reports and track data. As with all our training courses, this one will introduce you to the latest stable version, Dynatrace 1.2.

Objectives

- Understand the concepts of application performance management (APM)
- Monitor, optimize and evolve on-premise and cloud applications
- Monitor the health of your company's network, hardware and software
- Setting up the Dashboard and Dashlets

Target audience

- System administrators
- DevOps
- Infrastructure engineers

- Application Manager
- SDM
- Incident manager
- Load testers
- Developer
- Q/A Manager

Prerequisites

Understanding of general IT, administration and monitoring concepts

Recommendations for pre- and post-course reading

- "Dynatrace for Beginners" by Michael Völler. This book provides a comprehensive introduction to Dynatrace, with practical examples and use cases.
- "Dynatrace Performance Management" by Wolfgang Beer. It covers best practices in application performance management with Dynatrace, including application monitoring, analysis of metrics and indicators, and resolution of performance issues.
- Official Dynatrace documentation
- You can watch this quick video presentation of the tool by the developers themselves

Dynatrace training program

Day 1 - APM architecture principles

- What is full-stack monitoring?
- Overview of Dynatrace features and architecture
- How Dynatrace works compared to other solutions on the market.
- How agents work

Observability with Dynatrace

- Improving user experience with collected data
- Reduce downtime
- Software Intelligence Platform
  - Infrastructure monitoring
- Automation and Artificial Intelligence (AI)

- Data types :
  - Logs
  - Metrics
  - Traces
- Collect and monitor data with OneAgent

Navigate and identify resources

- Interface navigation
- Identifying customer paths
- SLA identification and monitoring
- Infrastructure monitoring
- Host health monitoring
- Monitor process health
- Navigation exercise and resource identification

Day 2 - Understanding data and how to derive SLAs/KPIs from it

- Database health monitoring
- Inspecting an SQL run
- Network monitoring
- Network traffic monitoring
- Anomaly detection
- Create your own Dashboard
- First steps in troubleshooting: bottleneck identification, resource management with Dynatrace.
- Cloud infrastructure monitoring
- Cloud-native use cases
- Integration of cloud-native platform metrics

Day 3 - Managing the user experience

- Web, Android and iOS applications
- Diagnose application problems using root cause analysis
- Analyze the impact of performance on user experience
- Create a user experience dashboard
- Using AI to help with root cause analysis

Complementary Module (4 days) : AppMoon

[DAY 1]

- Dynatrace : Solution & Architecture
- Installation & Configuration
- System Profiles

- Applications
- PurePaths
- Measures
- Dashboards
- Sessions

[DAY 2]

- Sensors
- Custom Entry Points
- APIs
- Configurations
- Business Transactions
- Basic Diagnostics

[DAY 3]

- Incidents, Alerts & SLAs
- Reacting to Alerts & Incidents

[JOUR 4]

- EMU Introduction
- Installation
- Configuration
- UEM-specific Dashlets
- Business Transactions for UEM

Complementary Module (1 day) : UEM and Browser Diagnostics

Browser Diagnostics & Automatic Test

- Browser Diagnostics vs UEM
- Production monitoring
- Deployment Health

UEM & Plugins

- Getting to grips with EMU
- DynaTrace Extensions
- Setting up monitoring, tasks and plugins
- Creating FastPack

Advanced EMU

- How EMU works (Page Actions, PurePaths, Visits, Web Server Agents, etc.)
- EMU configuration
- Diagnosis

Additional module (1 day): Integration with Splunk

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 enabling 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 with regard to 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.