

# Course : Dynatrace, monitoring application performance

*Practical course - 3d - 21h00 - Ref. DYA*

*Price : 2460 CHF E.T.*



4,3 / 5

NEW

Dynatrace is a platform that covers the three pillars of observability. It enables companies to monitor, analyze and optimize the performance of their IT systems, applications and cloud infrastructures. This training course will teach you how to collect information via the Dynatrace OneAgent agent or others (OpenTelemetry, Exporter...). But you'll also learn how to classify them according to your organization, and how to use AI to identify and notify incidents and their root cause more quickly.



## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understand Dynatrace's architecture to be able to monitor an on-premise, cloud or hybrid environment...
- ✓ Understand how OneAgent works and harness its power
- ✓ Understanding and implementing end-to-end monitoring
- ✓ Understanding and implementing user experience monitoring (DEM, RUM, Synthetic)
- ✓ Administering and monitoring a Dynatrace cluster

## Intended audience

CTO, COO, technical project managers, application managers, operations managers, technical administrators.

## Prerequisites

Basic knowledge of development and administration of Windows or Linux/Unix operating systems.

## Course schedule

### PARTICIPANTS

CTO, COO, technical project managers, application managers, operations managers, technical administrators.

### PREREQUISITES

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### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## 1 Dynatrace

- Introducing observability.
- Introducing Dynatrace.
- Dynatrace architecture.
- Pay attention to the notions of version and deployment in Dynatrace.

### Hands-on work

Getting to grips with the interface

## 2 Data collection and classification

- Setting up the collection system.
- Extensions.
- The Dynatrace operator.
- Understand the difference between tags and properties.
- Understand the notion of entity selector.
- Multi-tenant management.
- Multi-level configuration: local, hostgroup, environment.

### Hands-on work

Deploying and configuring OneAgent.

## 3 Applications to master for analysis

- Smartcape Topology.
- Metrics and Data Explorer.
- Problem.
- Multidimensional analysis versus waterfall analysis.
- Distributed traces.

### Hands-on work

Create my first dashboard.

## 4 Real user monitoring (RUM)

- Presentation of DEM, RUM.
- Apdex versus Core Web Vitals.
- RGD management in Dynatrace.
- Self-injection versus other injection methods.
- Application analysis.
- Analysis of user sessions with or without replay.
- Get to grips with the USQL language.

### Hands-on work

Build USQL queries.

## 5 Surveillance with robots (Synthetic)

- Introducing synthetic monitoring.
- HTTP Monitor versus Browser Monitor.
- Monitoring from remote locations.

### Hands-on work

Setting up a scenario.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## 6 Interactions between Dynatrace and other tools

- Getting to grips with the Dynatrace API.
- The power of events in Dynatrace.
- How to choose between Monaco and Terraform.

### Example

Event management with Jenkins CI/CD tool.

## Dates and locations

### REMOTE CLASS

2026 : 23 Mar., 15 June, 28 Sep., 7 Dec.