

Updated 05/02/2025

Sign up

Dynatrace administration & production training

5 days (35 hours)

PRESENTATION

[Dynatrace](#) is a full-stack monitoring system that supervises the availability and performance of applications, infrastructures, including containers and cloud services, as well as their impact on the user experience, thanks to in-depth monitoring of transactions, synthetic monitoring, real users and the network.

In this training course, we'll be looking at how to install and configure Dynatrace so as take full advantage of the software's features. Once installed, we'll move on to the technical side, with the integration of Appmoon and Dynatrace SaaS/Managed monitoring. Following monitoring integration, you'll learn how to manage dashboards and the navigation portal.

At the end of this course, you'll be able to configure Dynatrace analyze the performance of your applications while safeguarding your users' data.

As with all our training courses, we'll be using the latest version of [Dynatrace 1.3](#).

OBJECTIVES

- Installing and configuring Dynatrace
- Administration on Dynatrace
- Dashboard creation
- Setting up a cloud application
- Data security with Dynatrace

TARGET AUDIENCE

Developers, Architects, Systems administrators, DevOps

PREREQUISITES

Knowing a programming language & the cloud

Dynatrace Infrastructure training program

INSTALLATION & DEPLOYMENT

- Understanding general concepts
- On-Premise Infrastructure VS Cloud SaaS
- Installing DynaTrace
- Introduction to the Start Center
- Adapt Dynatrace to your environment
- Licencing: Licensing model
- Update & Migration

INTEGRATION

- Integration with Dynatrace Appmoon
- Integration with Dynatrace SaaS / Managed
 - Digital performance management
 - Early access to new features
 - Deploying digital performance
- Integration of incident management tool and ChatOps

MONITORING

- APP Moon
- Dashboard creation
- Host & process health monitoring
- Business Analyticsdashboard
- Choosing the right automatic sensors
- Automatic sensor management
- Refine your search for commercial transactions
- Managing detected errors

PERMISSION & USER

- Create user account
- Group
- User roles
- Permission management
- Directory (LDAP)

MIGRATION & UPDATING

- Appmoon
 - Update Appmoon
 - Migrate your Appmon application to another computer
- NAM
 - Migrating from Rum Console to NAM Console
 - Server NAM update

DATABASE

- Database-based NAM management
 - Oracle
 - Sql server
 - DB2
 - Aurora
- SQL execution plan
- Database health monitoring

PORTAL (PORTAIL)

- DashBoard analysis
- Legend and navigation
- Information management
- Test
- In-depth data analysis

RECORDER

- Installing and uninstalling the recorder
- Using the web recorder
- Recording a transaction
- Creating an advanced script
- Reviewing and modifying a transaction
- Web recorder actions
- Editing a test in the Web Recorder
- Opening a Windows Recorder script in Web Recorder
- Using the Windows recorder
- Scriptwriting & best practices
- Scripting
- Reading a script
- Modifying a script
- Script actions
- Advanced scripting
- Custom scripting

BACKUP & RESTORATION

- Different backup policies for different nodes
- Estimated resource: Estimated cluster backup size

- Cluster backup
 - daily backup (Quick NAM)
 - disaster-proof backup (Complete NAM)
 - NAM Console & XML File
- Recovery plan: Restore
 - Pre-start checklist (capacity, NFS, permissions, cluster inventory, master)
 - State verification (Firewall, Cassandra, Elastic Stack)
 - Switch your cluster IPs (Switch OneAgents / New cluster address)
 - Update cluster DNS records

PRIVATE DATA MANAGEMENT & SECURITY

- Data privacy & security management overview
- GDPR compliance: complying with European regulations
 - Privacy configuration
- Security configuration

INTRODUCTION TO CONTINUOUS DELIVERY AND TESTING

- Overview of Continuous delivery & test automation
- Automation and integration
- Capture performance data from tests

Additional module (2 days) : Dynatrace Managed

[Day 1]

- Introduction Dynatrace SaaS/Managed
- Architecture
- OneAgent
- Monitor PaaS/Cloud/Virtualization
- Installation & configuration

[Day 2]

- UI Fundamentals
- Traversing the stack
- Tagging
- AI and Root Cause Analysis
- Service Analysis Views (Failure analysis, PurePaths, response time distribution...)
- Real User Monitoring
- Dashboards

Additional module (1 day): Integration with Splunk

Companies concerned

This course is aimed at both individuals and companies, large or small,

wishing to train its 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 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, 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.

