

Updated on 03/11/2023

Sign up

Dynatrace Training: Administration & Production

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 to 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 to analyze the performance of your applications while guaranteeing your users' data.

As with all our training courses, we'll be using the latest version of [Dynatrace 1.2](#).

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 Analytics dashboard
- 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
- Resource estimation: 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

Complementary 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.

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.