Datadog Training

COURSE CONTENT

About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

The Datadog Training offered by Multisoft Systems is designed to equip IT professionals, DevOps engineers, and system administrators with the skills needed to monitor and optimize complex IT infrastructures. Datadog is a leading cloud-based monitoring and analytics platform, trusted globally for real-time observability across servers, databases, applications, and cloud services. This comprehensive training covers key modules such as infrastructure monitoring, APM (Application Performance Monitoring), log management, network performance monitoring, and security monitoring.

Section 1: Datadog for Developers

Module 1: Overview

- ✓ Introduction to Datadog
- ✓ Why Datadog
- ✓ Datadog Architecture
- ✓ Datadog in DevOps cycle

Module 2: Datadog Setup

- ✓ Sign up and Sign in
- ✓ Overview of Application
- ✓ Configure Agent on Mac
- ✓ Git Bash for Windows
- ✓ Configure the Agent on Windows

Module 3: Datadog for the DevOps Engineer or Developer

- ✓ Building Stages
- ✓ Introduction to APM
- ✓ Incoming Error
- ✓ HostMap
- ✓ Alerting 101
- ✓ Database Management
- ✓ Alerting using Slack
- ✓ Apdex
- ✓ RUM
- ✓ SLO and SL
- ✓ Synthetic Testing
- ✓ Building Dashboards

Module 4: Real-time case studies

- ✓ Forecasts
- ✓ Using the API through Postman
- ✓ DataDog - CLI

Section 2: Application Performance Monitoring

Module 1: Introduction to Performance Monitoring Tool

- ✓ What is a Performance Monitoring Tool?

Module 2: Getting Started with Datadog

- ✓ Define Datadog and What is the importance of Datadog
- ✓ Pricing Information: free options and paid options
- ✓ Basic Definitions - tags, agent, and host
- ✓ Registration and Agent Installation

Module 3: Datadog Agent

- ✓ Datadog Agent - configurations and definitions
- ✓ Datadog Agent - Displaying Host basic meters and default host dashboards
- ✓ Datadog Agent - integration with the Internet Information Server (IIS)

Module 4: Datadog Infrastructure and Metrics

- ✓ Host Maps and Infrastructure List
- ✓ Metrics Explorer and Metrics Summary
- ✓ Metrics Types

Module 5: Datadog APM

- ✓ Monitoring the DogsWorld Application as per .NET core using APM
- ✓ Downloading, Installing and Configuring the Datadog APM
- ✓ APM Service Map and Services
- ✓ APM Traces - Basic Search, Search Pane, Facets,
- ✓ APM Traces - Span list, System Tags, and Flame Graph
- ✓ APM Profiling
- ✓ APM Traces - Error Tracing

Module 6: Datadog APM

- ✓ Introduction to Custom Tags
- ✓ Sending the Custom Tags through .NET Tracer Nuget Package
- ✓ Custom Tags, Filter, Search, and Facet Tag

Module 7: Datadog Dashboards

- ✓ Dashboard Definitions and Lists
- ✓ Creating a New Dashboard with various widgets
- ✓ Importing Widgets or Graphs into the Dashboards from the Metrics and Services Page
- ✓ Dashboard - Import and Export as JSON
- ✓ Utilizing Variables

Module 8: Datadog Monitors and Notifications by Email, PagerDuty, and Slack

- ✓ Creating Monitors
- ✓ Suggested Monitors
- ✓ Managing Monitors
- ✓ Integration with the Slack
- ✓ Creating an Account in PagerDuty

✓ Integration with PagerDuty

Module 9: Datadog: SLA, SLI, SLO, and Error Budget

✓ Datadog: SLI, SLO, Error Budget, and SLA

✓ Creating SLO, Setup Alerts, and Data Correlation

Module 10: Synthetic Monitoring

✓ Define Synthetic Monitoring

✓ Creating Browser and API Tests