

OnCommand Insight: Intelligent Operation

Course Code: OCIIO

Duration: 2 days

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

OVERVIEW

In this course, you become familiar with some of the most important features of NetApp OnCommand Insight, relevant to the day-to-day management, monitoring, and troubleshooting of data infrastructures.

The course concentrates on the Insight features that aid in daily system administration tasks. If you are interested in Insight features that relate to business reporting or IT department integration you should look for course offerings specific to those topics. The course takes you through a typical storage administration issue and the Insight features that you can use to resolve that issue. By learning how to resolve specific administration problems, you should gain a basic understanding of how to extend the Insight feature set to other issues.

You will also learn how to add new assets to an Insight monitored infrastructure.

SKILLS COVERED

- Create near-real-time visualizations of data infrastructure
- Implement and monitor policies for data-path infrastructure
- Locate potential delays in network performance
- Perform root cause analysis of issues that degrade performance
- Implement proactive application-level performance monitoring
- Identify the NFS client hosts that contend for resources

- Seamlessly integrate new assets into a data infrastructure

WHO SHOULD ATTEND?

This course is intended as an introductory course for end users, as well as internal NetApp sales and partner resellers.

PRE-REQUISITES

OnCommand Insight Technical Overview (Recommend/not required)

MODULES

Module 1: visualizing Your Data Infrastructure

- Insight and resource asset pages
- Queries, dashboards and widgets
- Annotations and queries

Module 2: Data Path management and Policies

- The Insight Java UI
- Configuration of Data Path policies
- Tools for Data path analysis
- Configuration of policy alerts

Module 3: Performance Policy Creation, Monitoring and Troubleshooting

- Buffer-to-buffer credit monitoring
- Performance policies
- Performance policy setup
- Detection of slow-drain devices

Module 4: Virtual Resource Management and Tools for Root Cause Analysis

- Management of virtual resources
- Applications, VMs and correlational analysis
- Drilling down: root cause analysis

**Module 5: Application Infrastructure
Monitoring and the Anomaly Detection Engine**

- Creation of application assets
- The anomaly detection engine

**Module 6: Ethernet Monitoring and
Troubleshooting**

- Ethernet monitoring unit
- Monitoring ethernet workloads

Module 7: Integrating New Resources

- Data sources
- Custom data collectors
- Device resolution

Labs:

- Creating a query-based dashboard
- Using queries, annotations, annotation rules and dashboards
- Creating a storage daily operations dashboard
- Analyzing SAN path violations
- Adjusting violation policy threshold settings and configuring violation notifications
- Using anomaly detection to examine application performance degradation
- Using object correlation to determine the root cause of application performance degradation
- Examining anomaly detection as a mechanism to reduce violations.
- Using anomaly scores for performance analysis
- Performing root cause analysis of a poorly performing NFS client