Monitoring Infrastructures with Cloud Insights (NA- MIWCI)

Course Description

This course enables you to use NetApp® Cloud Insights to monitor, troubleshoot, and optimize your IT infrastructure in a public cloud. You learn about the features and benefits of Cloud Insights for cloud environments and acquire the foundational knowledge that you need to successfully use Cloud Insights.

This course is a series of lectures and exercises that demonstrate how you set up and use Cloud Insights to manage your cloud-deployed IT infrastructure.

Learners use a read-only tenant for exercises. The instructor demonstrates many administration features during the lectures

Course Duration:

3 days.

Prerequisites:

- Cloud Insights Fundamentals
- Some previous knowledge of Cloud Insights
- Extensive knowledge of the cloud IT environment and how to manage the systems that the cloud environment contains

Objectives:

This course focuses on enabling you to do the following:

- Describe the benefits of Cloud Insights for hybrid cloud infrastructures
- Explain the Cloud Insights architecture
- Configure data collectors to monitor hybrid cloud assets
- Use Cloud Insights queries, annotations, and dashboards to manage your hybrid cloud
- infrastructure
- Use Cloud Insights to troubleshoot hybrid cloud performance issues
- Identify unused and underused storage space
- Explain how to create a dashboard for monitoring risks
- Describe the benefits of Cloud Insights for Kubernetes environments.
- Learn the processes to transition an OnCommand Insight environment to a Cloud
- Insights environment

Course Outline:

Module 1: Introduction

- Introduction to Cloud Insights
- Cloud Insights subscription editions
- Cloud Insights architecture

Module 2: Configuring Cloud Insights

- Installing data Acquisition Units on Windows and Linux
- Cloud Insights data collection overview
- Installing data agents on the hosts
- Configuring infrastructure data collectors

Module 3: Managing the hybrid cloud

- Visualizing Azure storage with Cloud Insights
- Visualizing on-premises storage with Cloud Insights
- Hybrid cloud dashboards
- Using hybrid cloud dashboards

Module 4: Querying, annotating, and monitoring

- Working with queries
- Working with annotations
- Monitoring and alerts
- Monitoring

Module 5: Workload Security and Active IQ

- Configure NetApp Workload Security
- Configure automated response policies
- Workload Security alerts and Active IQ
- Active IQ risk assessment
- Forensic data auditing
- Explore the Workload Security API

Module 6: Optimizing Cloud Insights

- Configure service levels by using annotations
- Monitor alerts for NetApp storage
- Optimized dashboards
- Cloud Insights and Active IQ integration

Module 7: Subscriptions and user roles

- Subscribing to Cloud Insights
- Cloud Insights accounts

Module 8: Managing Kubernetes

- Review Kubernetes
- Overview of Cloud Insights for Kubernetes
- Cloud Insights Kubernetes Explorer dashboard
- Full stack visualization
- Node, pod, and workload status

Who Should Attend:

Systems administrator, operator, and architect