Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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StorageGRID Software Troubleshooting

CODE:	LENGTH:	PRICE:
NEP_SG-TS	24 Hours (3 days)	€3,060.00

Description

In this course, students learn troubleshooting skills to support the implementation and lifecycle management of NetApp StorageGRID software. Through theoretical explanations and hands on exercises, delegates will learn to control the architecture, option, services and features of the StorageGRID system

Students will also learn about the security and authentication mechanisms, logging and monitoring resources and Apache Cassandra implementation. Additionally, the processes to expand and upgrade the system, FabricPool technology plus investigating Simple Storage Services (S3) issues.

Objectives

• Understand the networking architecture of a StorageGRID deployment
• Describe the load-balancing features of StorageGRID
• Review the StorageGRID services and ports
• Understand the impact of the StorageGRID options
• Understand the Cassandra implementation in StorageGRID
• Review the StorageGRID security and authentication mechanisms
• Define the StorageGRID logging and monitoring resources
• Review the expansion and upgrade processes
• Examine FabricPool technology with StorageGRID
• Investigate S3 issues with StorageGRID

Audience

Professionals & Engineers who use or implement StorageGRID solutions (from all audience types). Supporting the following job roles..

- Systems Administrators
- System Operators
- System Engineers

Prerequisites

• 6 to 12 months of StorageGRID experience
• The NetApp StorageGRID Implementation Engineer accreditation (see NetApp Accreditation link below)
• Good knowledge of Simple Storage Service (S3)
• StorageGRID Troubleshooting Essentials (via NetApp Learning Center link below)
• DataStax DS101 and DS201 training courses

NetApp Accreditation Details

NetApp Learning Center

Programme

Module 1:StorageGRID networking
StorageGRID network topology

Exercises
Examining StorageGRID network architecture

Module 2:StorageGRID software concepts
• Grid node services
• Managing node services
• StorageGRID configuration options
Exercises
Exploring nodetool commands

Module 3:StorageGRID logging and monitoring
• StorageGRID service log files
• StorageGRID audit logging
• Log analysis
• Log forwarding
Exercises
Managing StorageGRID logs

Module 4: Troubleshooting Cassandra
• Cassandra fundamentals
• Cassandra startup
• Nodetool
Exercises
Examining Cassandra fundamentals

Module 5:TroubleshootingStorageGRID decommission,expansion and upgrade
• StorageGRID decommissioning
• StorageGRID expansion process and issues
• StorageGRID major version upgrade
Exercises
Decommissioning and upgrading

Module 6: StorageGRID authentication and user management
• StorageGRID authorization and authentication
• StorageGRID multitenancy implementation
Exercises
Configuring StorageGRID authentication

Module 7:Troubleshooting StorageGRID security issues
• StorageGRID security
• StorageGRID system hardening
• Certificate-related Issues
Exercises
Troubleshooting StorageGRID authorization

Module 8:StorageGRID performance troubleshooting
• StorageGRID performance factors
• Identify performance bottlenecks
Exercises
Examining StorageGRID performance details

Module 9:ONTAP FabricPool with StorageGRID
• FabricPool object store
• Investigate object store unavailability
• Troubleshooting connection issues
• Object store access issues
Exercises
Troubleshooting ONTAP FabricPool technology

Module 10:Troubleshoot S3 client and application issues
• Troubleshoot S3 request failures
• S3 request logging

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.