

StorageGRID Administration



Delivery: Instructor-led training (ILT)

Duration: 3 days

Course Description

Learn how to administer NetApp® StorageGRID, a software-defined, object-based storage system. Dive into the Grid Management Interface to manage, monitor, and maintain grid nodes, configure information lifecycle management (ILM) policies, and administer Simple Storage Service (S3) buckets. Explore tenant management through the Tenant Management Interface. Also, learn how to seamlessly integrate StorageGRID with NetApp hybrid cloud protection and tiering solutions. This course is updated for StorageGRID 11.8.

Role

Solutions engineer (SE), architect, support engineer, implementation engineer, and professional services

Prerequisites

StorageGRID Fundamentals

Objectives

This course focuses on enabling you to do the following:

- Use the StorageGRID Grid Manager to monitor and manage a StorageGRID object-based storage solution
- Create and manage storage tenant accounts, groups, and users
- Configure ILM rules and policies
- Configure the StorageGRID API Gateway Nodes for client access
- Manage S3 buckets and objects
- Monitor StorageGRID system activity
- Perform grid maintenance tasks
- Integrate the StorageGRID solution into your data infrastructure

Course Content

This course includes the following modules, lessons, and exercises:

Module	Lessons	Exercises
Module 1: StorageGRID components and services	<ul style="list-style-type: none">• StorageGRID components• StorageGRID networks• StorageGRID network topologies	
Module 2: StorageGRID management	<ul style="list-style-type: none">• StorageGRID Grid Manager• StorageGRID configuration options• StorageGRID administrators• Securing access to StorageGRID• StorageGRID Management API	<ul style="list-style-type: none">• Exploring StorageGRID Grid Manager• Creating and managing StorageGRID administrator accounts• Using the API to manage the StorageGRID system
Module 3: Storage tenant administration	<ul style="list-style-type: none">• Tenant accounts• Tenant Manager• Tenant access control• StorageGRID Tenant API	<ul style="list-style-type: none">• Managing tenant accounts• Using S3 tenant accounts
Module 4: Information lifecycle management	<ul style="list-style-type: none">• ILM policies and rules• Policy tags• Storage pools, storage grades, and regions• Configuring ILM policies	<ul style="list-style-type: none">• Configuring basic ILM• Tiering object storage• Controlling placement based on object metadata
Module 5: Managing client connections	<ul style="list-style-type: none">• VLAN interfaces• High-availability groups• Load balancer endpoints• Traffic classification	Configuring Gateway Nodes

Module	Lessons	Exercises
Module 6: S3 bucket administration	<ul style="list-style-type: none"> • Virtual hosted-style identifiers • Bucket access control • S3 bucket configuration options • Client stored object options • Platform services 	Managing access to S3 buckets
Module 7: Monitoring the StorageGRID system	<ul style="list-style-type: none"> • Alerts • Audit log • SNMP • Node services • Reporting 	<ul style="list-style-type: none"> • Managing alerts • Viewing StorageGRID reports • Managing audit logs
Module 8: StorageGRID maintenance	<ul style="list-style-type: none"> • StorageGRID AutoSupport • Managing StorageGRID services • Maintenance procedures • StorageGRID software upgrades 	Performing grid maintenance tasks
Module 9: Integrating a StorageGRID system	<ul style="list-style-type: none"> • ONTAP FabricPool • ONTAP backup to cloud • BlueXP copy and sync service • BlueXP backup and recovery service 	<ul style="list-style-type: none"> • Configuring Cloud Storage Pools

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