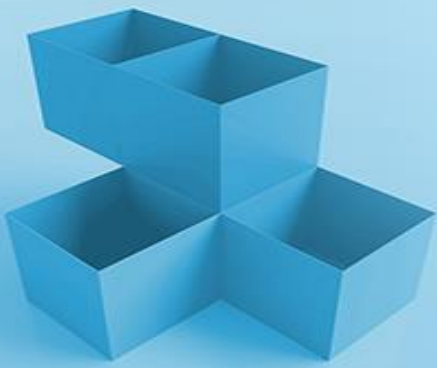


# StorageGRID Administration



Delivery: Instructor-led training (ILT) and Virtual ILT (VILT)

Duration: 3 days

## Course Description

This course is a comprehensive analysis of NetApp® StorageGRID® administration. You learn how to configure, monitor, maintain, and expand a StorageGRID system. The course outlines the new features and enhancements in StorageGRID 11.5. The course materials include a guide for hands-on exercises that you perform in a lab environment. This course also builds on the concepts that you learned in *StorageGRID Fundamentals* and is complementary to *Installing StorageGRID*.

## Audience

Storage administrators, professional services personnel, and support services personnel

## 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 information lifecycle management (ILM) rules and policies
- Control access to the StorageGRID system and implement service levels
- Manage Simple Storage Service (S3) buckets and objects
- Monitor StorageGRID system activity
- Configure and manage email notifications and custom alerts
- Integrate the StorageGRID solution into your data fabric

## Course Content

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

Modules	Lessons	Exercises
<b>Module 0: Welcome</b>	<ul style="list-style-type: none"><li>About the StorageGRID curriculum</li><li>About this course</li><li>Course agenda</li></ul>	Checking the exercise equipment
<b>Module 1: StorageGRID components and services</b>	<ul style="list-style-type: none"><li>StorageGRID components</li><li>Node service workflows</li></ul>	
<b>Module 2: StorageGRID management</b>	<ul style="list-style-type: none"><li>Grid Manager</li><li>StorageGRID configuration options</li><li>StorageGRID administrators</li><li>Securing access to StorageGRID</li><li>StorageGRID management API</li></ul>	<ul style="list-style-type: none"><li>Exploring Grid Manager</li><li>Creating and managing StorageGRID administrator accounts</li></ul>
<b>Module 3: Storage tenant administration</b>	<ul style="list-style-type: none"><li>Tenant accounts</li><li>Tenant Manager</li><li>Tenant access control</li><li>StorageGRID tenant API</li></ul>	<ul style="list-style-type: none"><li>Managing tenant accounts</li><li>Using S3 tenant accounts</li></ul>
<b>Module 4: Information lifecycle management</b>	<ul style="list-style-type: none"><li>ILM policies and rules</li><li>Storage pools, storage grades, and regions</li><li>Configuring ILM policies</li></ul>	<ul style="list-style-type: none"><li>Configuring basic ILM</li><li>Tiering object storage</li><li>Controlling placement based on object metadata</li></ul>
<b>Module 5: Managing client connections</b>	<ul style="list-style-type: none"><li>High-availability groups</li><li>Load balancer endpoints</li><li>Traffic classification</li></ul>	Configuring API Gateway Nodes

Modules	Lessons	Exercises
<p><b>Module 6: S3 bucket administration</b></p>	<ul style="list-style-type: none"> <li>• Virtual hosted-style identifiers</li> <li>• Bucket access control</li> <li>• S3 bucket configuration options</li> <li>• Client stored object options</li> <li>• Platform services</li> </ul>	<p>Managing access to S3 buckets</p>
<p><b>Module 7: Monitoring the StorageGRID system</b></p>	<ul style="list-style-type: none"> <li>• Alerts</li> <li>• Audit log</li> <li>• Reporting</li> </ul>	<ul style="list-style-type: none"> <li>• Managing alerts</li> <li>• Viewing StorageGRID reports</li> <li>• Managing audit logs</li> </ul>
<p><b>Module 8: StorageGRID maintenance</b></p>	<ul style="list-style-type: none"> <li>• StorageGRID AutoSupport</li> <li>• Managing StorageGRID services</li> <li>• Maintenance procedures</li> <li>• StorageGRID software upgrades</li> </ul>	<p>Performing grid maintenance tasks</p>
<p><b>Module 9: Integrating a StorageGRID system</b></p>	<ul style="list-style-type: none"> <li>• ONTAP FabricPool</li> <li>• SolidFire backup to cloud</li> <li>• SANtricity Cloud Connector</li> <li>• NetApp Cloud Sync service</li> </ul>	<ul style="list-style-type: none"> <li>• Configuring Cloud Storage Pools</li> <li>• Integrating with a Swift protocol client</li> </ul>

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