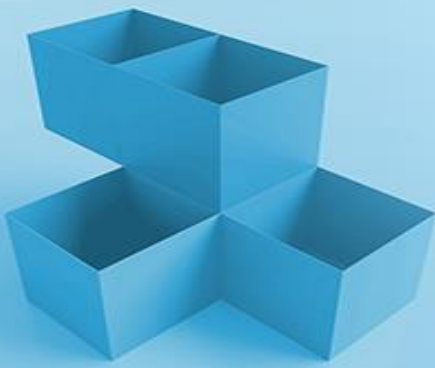


# ONTAP Security and Compliance Solutions Administration



Delivery: Instructor-led-training (ILT)

Duration: 2 days

## Course Description

Learn how to administer NetApp ONTAP® 9 data-management software integrated security and compliance features. Learn how to create a secure IT environment according to Zero Trust principals such as 'least privilege access' and 'encrypt everything'.

This course comprehensively describes the administration, configuration, and management of the integrated data security and compliance features in ONTAP 9, including data retention using SnapLock software and data integrity with autonomous ransomware protection.

## Audience

Customers, partners, and/or employees

## Job Role

- Systems administrator, cloud architect, operator, data protection specialist, enterprise architect

## Prerequisites

ONTAP Security and Compliance Solutions Administration is intended for data protection administrators of any experience level.

- Attend ONTAP Cluster Administration

## Objectives

This course focuses on enabling you to do the following:

- Secure an ONTAP system according to Zero Trust principles
- Apply least privilege access control to ONTAP administrators and users
- Secure data in flight
- Secure data at rest
- Enforce compliance with data privacy and retention regulations
- Secure access to data by NAS protocols
- Protect data from corruption by ransomware or malware

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Course Content

<p><b>Module 1: Security Concepts</b></p>	<ul style="list-style-type: none"> <li>• Security threats</li> <li>• Security standards and regulations</li> <li>• Security defenses</li> <li>• Zero Trust</li> </ul>	<p>Using the Active IQ Unified Manager Security Dashboard</p>
<p><b>Module 2: ONTAP Management Security</b></p>	<ul style="list-style-type: none"> <li>• ONTAP authentication</li> <li>• Role based access control</li> <li>• Multifactor authentication</li> </ul>	<ul style="list-style-type: none"> <li>• Apply least privilege access control</li> <li>• Configuring Multi-Admin Verification</li> </ul>
<p><b>Module 3: ONTAP Network Security</b></p>	<ul style="list-style-type: none"> <li>• NAS network security</li> <li>• Securing in-flight data</li> <li>• Logical network interfaces</li> <li>• SAN network security</li> <li>• iSCSI security</li> <li>• NVMe security</li> </ul>	<ul style="list-style-type: none"> <li>• Segregating network traffic</li> <li>• Securing data In flight</li> </ul>
<p><b>Module 4: ONTAP Storage Security</b></p>	<ul style="list-style-type: none"> <li>• Encrypting data at rest</li> <li>• NetApp Storage Encryption</li> <li>• NetApp Volume Encryption</li> <li>• Key management</li> </ul>	<ul style="list-style-type: none"> <li>• Encrypting a Volume</li> <li>• Securely Delete Data</li> </ul>
<p><b>Module 5: ONTAP Data Retention</b></p>	<ul style="list-style-type: none"> <li>• SnapLock compliance software</li> <li>• Managing SnapLock volumes</li> <li>• Protecting SnapLock volumes</li> <li>• Advanced SnapLock features</li> </ul>	<ul style="list-style-type: none"> <li>• Configuring SnapLock compliance software for file retention</li> <li>• Using the privileged delete feature</li> </ul>
<p><b>Module 6: ONTAP NAS Security</b></p>	<ul style="list-style-type: none"> <li>• Securing In-flight NFS data</li> <li>• NFS user authentication</li> <li>• NFS user authorization</li> <li>• Securing in-flight SMB data</li> </ul>	<ul style="list-style-type: none"> <li>• Manage access to NAS shares</li> <li>• Configuring Service Level Access Guard</li> </ul>

	<ul style="list-style-type: none"> <li>• SMB user authentication</li> <li>• SMB user authorization</li> <li>• Storage-Level Access Guard</li> <li>• Auditing and logging</li> </ul>	
<p><b>Module 4: Protecting NAS Data Integrity</b></p>	<ul style="list-style-type: none"> <li>• NAS data integrity</li> <li>• File access policy</li> <li>• ONTAP Anti-ransomware</li> <li>• Cloud Insights Cloud Secure</li> </ul>	<ul style="list-style-type: none"> <li>• Block the storage of unwanted data</li> <li>• Creating frequent recovery points</li> <li>• Enabling Anti-Ransomware Protection</li> <li>• Recover From a Ransomware Attack</li> </ul>

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