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Learning Style: Virtual Classroom

Technology: NetApp

Difficulty: Intermediate

Course Duration: 1 Day

## ONTAP Compliance Solution Administration (OCSA)



## About this course:

The ONTAP Compliance Solution Administration (OCSA) course is intended to provide the expertise and knowledge of functionality and architecture of the integrated data security and compliance benefits and features in ONTAP-9 data management software, incorporating encryption technologies, key management features, and SnapLock software. This course additionally describes the management, configuration, and administration of the integrated data security and compliance features.

This course is designed for data security and compliance administrators have any level of experience.

The Security Engineer can make an average salary of \$138,322 per year.

## Course Objectives:

- Define methods to manage encryption keys
- Explain the data security features that are incorporated into ONTAP-9 data management software
- Describe how NSE (NetApp Storage Encryption) offers FDE (full disk encryption) by utilizing self-encrypting drives.
- Explain ways to utilize SnapLock compliance software for data retention
- Define how NVE (NetApp Volume Encryption) offers a software based technique to protect and encrypt data on any type of disk.

## Targeted Audience:

- NetApp Partners and Employees
- Security Engineers
- Data Protection Administrations

## Prerequisites:

- ONTAP Data-Protection-Administration
- ONTAP Cluster-Administration

## Course Outline:

### Module 1: Security and Compliance Solutions

- ONTAP 9 Security features
- Data protection compliance challenges
- Regulatory and business requirements
- Integrated compliance features

## **Module 2: Securing and Hardening ONTAP Software**

- 3 planes of security
  - Management
  - Control
  - Data
- Proactive security features

## **Module 3: ONTAP Data Retention**

- SnapLock
  - Compliance software
  - Architecture
  - Managing volumes
  - File types
  - Protecting volumes
  - Advanced features

## **Module 4: ONTAP Key Management**

- Overview
- Encrypted key management

## **Module 5: ONTAP Data Encryption**

- Encryption
  - NetApp Storage Encryption (NSE)
  - NetApp Volume Encryption (NVE)
- Volume encryption demonstration

## **Labs:**

- Implement role-based access control
- Configure SnapLock compliance software for file retention
- Create a SnapLock for SnapVault relationship
- Use the privileged delete feature
- Key manager setup wizard