

E-Series and EF-Series SANtricity Administration



Delivery: Instructor-led training (ILT)

Duration: 2 days

Course Description

Explore how to deploy, configure, and monitor NetApp® E-Series and EF-Series storage systems. In the deployment phase, you use NetApp SANtricity® Storage Manager and SANtricity System Manager to create the configuration, perform administration tasks, and examine data protection features. During post-deployment, you use SANtricity Unified Manager and System Manager to collect storage system information for trend analysis, troubleshooting, performance monitoring, and tuning.

Role

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

Prerequisites

E-Series Fundamentals

Objectives

This course focuses on enabling you to do the following:

- Explore the features of NetApp E-Series and EF-Series storage systems
- Identify and use administrative and support tools
- Describe and implement configuration concepts
- Perform routine volume administration tasks
- Perform volume group and disk pool administration tasks
- Identify and perform general system administration tasks
- Collect and monitor pertinent storage system information
- Implement data protection features

Course Content

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

Module	Lessons	Exercises
Module 1: Introduction to E-Series and EF-Series storage systems	<ul style="list-style-type: none"> • Introduction to E-Series and EF-Series storage systems • SANtricity System Manager • SANtricity Web Services Proxy 	<ul style="list-style-type: none"> • Configuring the E-Series and EF-Series administrative interfaces • Exploring SANtricity Unified Manager • Exploring SANtricity System Manager • Exploring the SANtricity REST API
Module 2: Configuration concepts and initial setup	<ul style="list-style-type: none"> • Host-side configuration concepts • Drive-side configuration concepts • Volume group and disk pool considerations • Initial setup steps • Additional setup steps 	<ul style="list-style-type: none"> • Creating a configuration with the guided setup wizard • Using the setup wizard to configure the storage array
Module 3: Disk pool administration	<ul style="list-style-type: none"> • Disk pools • Disk pool administration • General disk pool administration tasks • Managing disk pool disks 	<ul style="list-style-type: none"> • Creating disk pool configurations • Managing disk pools • Managing disk pool drives
Module 4: Volume group administration	<ul style="list-style-type: none"> • Volume groups • Volume group administration • General volume group administration tasks • Managing volume group disks 	<ul style="list-style-type: none"> • Creating volume group configurations • Managing volume groups • Managing volume group drives • Managing iSCSI sessions
Module 5: SSD cache administration	<ul style="list-style-type: none"> • Introduction to SSD cache • SSD cache administration 	<p>Creating an SSD cache drive</p>

Module	Lessons	Exercises
<p>Module 6: General administration tasks</p>	<ul style="list-style-type: none"> • General administration tasks • Alert management • Storage array, controller, and drive tasks • Managing upgrades 	<ul style="list-style-type: none"> • Taking a controller offline for service • Upgrading storage array components
<p>Module 7: Data collection and monitoring</p>	<ul style="list-style-type: none"> • Resources for data collection and monitoring • Storage array component information • AutoSupport tool • Storage array operability and state files • Performance monitoring 	<p>Collecting data</p>

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