

Symmetrix VMAX Configuration Management

Learn to configure a Symmetrix and prepare it for host access.

In this course, you will gain the skills needed to configure a Symmetrix and prepare it for host access. You will focus on the use of the Symmetrix command line interface (SYMCLI) on the Symmetrix V-Max Series Array. You will also cover managing configuration changes with the Unisphere for VMAX GUI. You will cover different types of devices and their functions as well as creation, mapping, and masking of devices to traditional and VMWare ESXi servers. You will explore and other topics, including Autoprovisioning, Virtual Provisioning, Virtual LUN migration for regular and thin devices, Fully Automated Storage Tiering (FAST) for disk groups, and Virtual Pools and Federated Tiered Storage. Lab exercises will cover operational details of all topics.

What You'll Learn

- Symmetrix configuration
- Create and map Symmetrix devices
- Connect hosts to Symmetrix storage
- Map and mask devices using autoprovisioning
- Migrate devices non-disruptively using Virtual LUN migration
- Virtual provisioning concepts
- Manage virtual provisioning with Solutions Enabler
- Monitor thin pools
- Describe federated tiered storage
- Describe FAST and FAST VP concepts
- Manage FAST and FAST VP using SYMCLI
- Describe Symmetrix configuration with Unisphere for VMAX
- Manage Symmetrix storage in a virtual environment

Who Needs to Attend

- Configure Symmetrix devices
- Use Symmetrix Engenuity features to manage storage
- Use Engenuity features to manage non-Symmetrix storage from EMC and other vendors

Prerequisites

- To understand the content and successfully complete this course, you must:
- Have an understanding of Symmetrix and VMware vSphere fundamentals. Labs will be conducted on UNIX and Windows systems.
- Be familiar with the editor so you can create files during the lab exercises.

Follow-On Courses

There are no follow-ons for this course.

Certification Programs and Certificate Tracks

This course is part of the following programs or tracks:

- [Storage Administrator \(EMCSA\) Specialist - Symmetrix Solutions](#)

Course Outline

1. Symmetrix Configuration
2. Device Creation and Mapping
3. Host Connectivity Considerations
4. Symmetrix and Device Attributes
5. Auto-Provisioning Groups

- 6. Virtual Provisioning Concepts and Planning**
- 7. Virtual Provisioning with Solution Enabler**
- 8. Monitoring Thin Pools**
- 9. Virtual LUN Migration**
- 10. Federated Tiered Storage**
- 11. FAST and FAST VP Concepts**
- 12. Managing FAST and FAST VP Using SYMCLI**
- 13. Symmetrix Configuration with Unisphere for VMAX**
- 14. Symmetrix Storage in a Virtual Environment**

Labs

- Lab 1: Create and Delete Devices**
- Lab 2: Create Different Devices and Map Them with Configuration Manager**
- Lab 3: RDF Groups and Pairs**
- Lab 4: Mapping and Masking**
- Lab 5: Create Thin and Data Devices and Pools**
- Lab 6: Map and Mask Thin Devices**
- Lab 7: Miscellaneous Virtual Provisioning Operations**
- Lab 8: Monitor Thin Pool Usage**
- Lab 9: Virtual LUN Migration DP and VP**
- Lab 10: Federated Tiered Storage**
- Lab 11: Manage FASTVP using SYMCLI**
- Lab 12: Manage FAST and FAST VP with SMC**
- Lab 13: Symmetrix Configuration with Unisphere for VMAX**
- Lab 14: Symmetrix Configuration with SMC**
- Lab 15: ESXi Server Storage Provisioning**

Further Information:

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

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