



Symmetrix Integration with VMware vSphere

Get hands-on experience integrating EMC Symmetrix V-MAX storage systems with VMware vSphere vCenter and ESXi 5.0

In this instructor-led course, you will acquire hands-on experience integrating EMC Symmetrix V-MAX storage systems with VMware vSphere vCenter and ESXi 5.0 host. You will learn to provision, manage, migrate, replicate, and protect the VMware vSphere/Symmetrix V-MAX environment. You will also cover new integration technologies between VMware and EMC technologies, including storage pool management, Storage I/O Control, vStorage API for Array Integration (VAAI), EMC Virtual Storage Integrator (VSI), PowerPath/VE, and EMC SRDF technology.

What You'll Learn

- Prepare EMC Symmetrix V-MAX Storage system for VMware ESXi 5.0 host
- Install and configure EMC PowerPath/VE on ESXi 5.0 for FC failure protection and load balancing
- Install and configure an SMC Server (VM)
- Deploy and configure an SMC virtual appliance
- Install and configure EMC Virtual Storage Integrator for VMware vSphere: Storage Viewer, SPM, and PP/VE
- Storage best practices for ESXi host in a Symmetrix V-Max environment
- Provision storage from a Symmetrix V-Max to an ESXi host and to a virtual machine
- Use Storage vMotion to migrate a virtual machine to Symmetrix V-Max storage
- Provision storage to the ESXi host and to the virtual machine using EMC Storage Pool Management
- Demonstrate VMware vStorage APIs for Array Integration (VAAI) features with Symmetrix-VMAX

Who Needs to Attend

- This course is intended for any person who presently or plans to: Support various Symmetrix storage, array management, and business continuance configurations with ESXi 5.0 hosts
- Administer IT or lab environments supported by Symmetrix storage and ESXi 5.0 hosts
- Participate in the development or qualification of Symmetrix hardware or software for ESXi 5.0 hosts

Prerequisites

- [VMware vSphere: Install, Configure, Manage \[V5.5\]](#)

Follow-On Courses

There are no follow-ons for this course.

Course Outline

1. VMware vSphere and Symmetrix VMAX Integration

- Cloud Computing
- VMware vSphere
- EMC Symmetrix VMAX Array
- VMware vSphere and Symmetrix VMAX Integration

2. VMware ESXi Host and Symmetrix VMAX Connectivity

- Symmetrix VMAX and ESXi Connectivity

- ESXi Host and VM Booting from a Symmetrix VMAX Array
- VMware vSphere: Multipathing NMP
- Multipathing with PowerPath/VE

3. Symmetrix Management and Visualization

- SMC Virtual Appliance
- Virtual Storage Integrator (VSI)
- Virtual Storage Integrator (VSI): Storage Viewer
- EMC VSI for Multipath Control Operations

4. VMware vSphere and Symmetrix VMAX Storage Provisioning

- Symmetrix Storage Options
- Storage Design Considerations
- Provisioning Symmetrix VMAX Storage
- EMC VSI for VMware vSphere: Storage Pool Management

5. VMware vSphere with Symmetrix VMAX Data Replication and Optimization

- Data Replication and Optimization
- Replication Consideration and Best Practices

Further Information:

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

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