Maslak Mahallesi, Maslak Meydan Sk. No:5. Spring Giz Plaza. Maslak/İstanbul
+90 212 282 7700 - info@bilginc.com

ONTAP MetroCluster Installation

Learn via: **Classroom**

Duration: **2 Day**

https://bilginc.com/en/training/ontap-metrocluster-installation-4268-training/

Overview

MetroCluster software is a unique high-availability and disaster-recovery solution. In this advanced course, you learn how to install, configure and administer a MetroCluster environment. Hands-on labs, available in the ONTAP 9 environment, allow you to practice setting up the configuration, identify component failures and practice recovery steps.

Prerequisites

Before attending, delegates should have attended the 'ONTAP Cluster Administration and Data Protection Bundle (ONTAP 9.7) (CDOTDP9)' course.

Alternatively, they could have attended the 'ONTAP Cluster Administration (ONTAP 9.7) (ONTAP9ADM)' and 'ONTAP Data Protection Administration (ONTAP 9.7) (DATAPROT9)' courses individually.

In addition, it would be useful for the delegate to have basic SAN knowledge and Completion of ONTAP PS Professional Compliance Program or an equivalent program

What You Will Learn

By the end of this course, you should be able to:

- Describe the major architectural components of a MetroCluster environment in ONTAP 9
- Cable nodes, back-end FC switches and FibreBridge devices
- Set up bridges and back-end FC switches
- Configure the clusters at both sites in a MetroCluster environment
- Set up a MetroCluster configuration and serve data to clients
- Detect and recover from failures in a MetroCluster environment
- Install and configure Tiebreaker software

Outline

Module 1: MetroCluster Overview

- Introduction to MetroCluster software
- Supported configurations
- Implementation steps
- Configuration tools and documentation

Module 2: MetroCluster Cabling

- Disk requirements
- Cabling overview
- Controller cabling
- Switch cabling

Module 3: Bridge and Switch Configuration

- ATTO FibreBridge configuration
- Brocade FC switch configuration
- IOD and OOD delivery

Module 4: Cluster Configuration

- Disk assignment

- Cluster setup

Module 5: MetroCluster Configuration

- Setup
- Verification
- Monitoring
- SVM Configuration

Module 6: Failure Scenarios

- Switchover
- Switchback
- Failure scenarios
- LIF placement

Module 7:Tiebreaker Configuration

- Introduction to TieBreaker
- Installation
- Configuration

Appendix A: Advanced Administration

- Transitioning
- Reallocating free space
- Performance testing
- NDU in a MetroCluster environment
- Integrating with vSphere 6
- Comparing features
- Scaling out
- Controller upgrades
- NVRAM allocation

Appendix B: Basic Metrocluster Troubleshooting

Appendix C: Front-End FC Fabrics in MetroCluster Environment

Appendix D: FlexPod in an AFF MetroCluster Envronment

- FlexPod solution
- MetroCluster FlexPod architecture
- vMSC Validation: failure scenarios and behavior

Appendix E: The ProLion ClusterLion Solution

- ClusterLion: alternative to TieBreaker

Appendix F: Brocade Network Advisor

Labs:

- MetroCluster cabling
- Bridge and switch verification and configuration
- Cluster configuration
- MetroCluster configuration and verification
- Failover scenarios
- TieBreaker configuration