



MS6423 – Implementing and Managing Windows Server 2008 Clustering

Objectif	After completing this course, students will be able to implement, maintain, and troubleshoot clusters in their enterprise environment.
Pré requis	Before attending this course, students must have: experience with network load balancing, basic knowledge of clustering theory, experience in an enterprise environment managing applications and network topologies, basic troubleshooting skills.
Durée	3 days

Contenu

Module 1: Introduction to Clusters

- Overview of Clusters
- Benefits of Using Clusters
- Overview of the Windows Server 2008 High-Availability Solutions

Module 2: Introduction to Windows Server 2008 Failover Clusters

- Overview of Windows Server 2008 Failover Clusters
- Key Windows Server 2008 Failover Cluster Features
- Overview of the Windows Server 2008 Quorum Models

Module 3: Preparing to Install a Failover Cluster

- Overview of Requirements for Installing a Failover Cluster
- Planning the Failover Cluster Implementation
- Installing the Failover Clustering Feature and Validating the Cluster Configuration
- Installing the Failover Cluster on Windows Server 2008 Server Core

Module 4: Overview of Failover Cluster Storage Requirements

- Overview of Storage Technologies
- Introduction to Storage Area Networks
- Planning a Storage Solution for Failover Clusters
- Configuring an iSCSI Storage Connection

Module 5: Configuring a Failover Cluster

- Creating a New Failover Cluster
- Managing a Failover Cluster
- Verifying Failover Functionality

Module 6: Configuring Cluster Resources and Server Roles

- Configuring Cluster Resources
- Implementing Failover Clusters for Server Roles Using Failover Cluster Management
- Clustering Server Roles Using Windows Server Core

Module 7: Maintaining Microsoft Failover Clusters

- Monitoring Failover Clusters
- Backing Up and Restoring Failover Clusters
- Troubleshooting Failover Clusters

Module 8: Implementing Multi-Site Clusters

- Overview of Multi-Site Clusters
- Implementing Multi-Site Clusters Using Windows Server 2008

Module 9: Implementing Network Load Balancing Clusters

- Overview of Network Load Balancing Clusters
- Configuring a Network Load Balancing Cluster
- Maintaining a Network Load Balancing Cluster