

Windows® 2008 SP2 Failover Cluster - Advanced Technology Lab Exercise Video Course

By Lynn Lunik

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'Windows ® 2008 SP2 Failover Clustering for Highly Available File Services' - Advanced Technology Lab Video Course designed for the System Engineers or System Architects focused on Windows® Core Infrastructure Products.

Module 7-507 'Windows ® 2008 SP2 Failover Clustering for Highly Available File Services' includes 17 Total Lessons running just under 4 Hours of Video Materials. Windows 2008 SP2 Failover Clustering provides Highly Available Services including File Services. In this Module a 2 Node Cluster is Installed, Configured, Modified and Monitored using 17 Tasks. These Tasks include use of System Center Operations Manager 2007 SP1 for Alerting, Monitoring and Reporting on the Highly Available File Services made available in these exercises. The Module Contents include 1) Course Syllabus, 2) Logical Diagram of the Virtualized Lab Environment and 3) 17 Tasks (separate Video Lessons) that make available the Highly Available File Services on a 2 Node Windows 2008 SP2 Failover Cluster.

The lessons are recorded directly from screen using servers and workstations running in a virtualized lab environment (you see all these in the conceptual diagram that is part of your purchase material). Each configuration is unique and includes approximately 75% of the course material recorded directly from the server console or command line. Advanced topics. Advanced configurations. Advanced techniques. Advanced Training.

To review a more detailed course description or watch sample videos, please visit our website: <http://www.exchangesummit.net>

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Mr. Lynn Lunik, Founder of IT Pro Secure Corporation (ITPS) and ExchangeSummit.net, has over 22 years of Information Technology experience. Prior to ITPS, Lynn worked as a Senior Consultant for Microsoft Consulting Services, a Platform Strategy Advisor for Microsoft Corporation, as a Principal Consultant for a Microsoft Gold Certified Security Partner, and as an Executive Director of Information Technology for an International Medical Equipment and Services organization.

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DETAILED COURSE DESCRIPTION:

Task 1

Add the Cluster Node Computer Accounts to the Active Directory Domain using Active Directory Users and Computers

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Add the 2 Computer Accounts for the Cluster Nodes and add them to a specified Organizational Unit using Active Directory Users and Computers

Task 2

Join Cluster Node 1 and Cluster Node 2 to the Active Directory Domain using Active Directory Users and Computers

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Login to each of the 2 Cluster Nodes as a Local Administrator and then Domain Join the Computer Accounts to the Windows 2008 Active Directory Domain.

Task 3

Modify the Public and Private Network Interface Card (NIC) Configuration for Failover Clustering using the Network and Sharing Center

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Modify the 2 Network Interface Card parameters to support both a Public Interface and Private Interface for Windows 2008 Failover Clustering.

Task 4

Deploy the System Center Operations Manager 2007 SP1 Agent to both Cluster Nodes

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Install the System Center Operations Manager 2007 SP1 Agent on both Cluster Nodes to provide Operational Management using the System Center Operations Manager 2007 SP1 Console.

Task 5

Configure both Cluster Nodes for Storage using the Microsoft iSCSI Initiator

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Configure the Microsoft iSCSI Initiator on the 2 Cluster Nodes to permit access to Shared Storage using the Microsoft iSCSI Initiator.

Task 6

Add the Failover Clustering Feature on Cluster Node 1 using Server Manager

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Add the Failover Clustering Feature for the first Cluster Node using Windows 2008 Server Manager.

Task 7

Validate Cluster Node 1 of 2 using the Failover Cluster Management Validation Process

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Initiate the Failover Cluster Management Validation Processing for the first Cluster Node using the Failover Cluster Management Console.

Task 8

Create Cluster Node 1 of 2 using the Failover Cluster Management Create Cluster Process

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Create the first Cluster Node using the Failover Cluster Management Console.

Task 9

Add the Failover Clustering Feature, Validate Cluster Node and Create Cluster Node 2 of 2 using the Failover Cluster Management Console

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Add the Failover Clustering feature, Validate and Add a Cluster Node to the second Cluster Node using the Failover Cluster Management Console.

Task 10

Use the 'cluster.exe' Commands to Validate the Cluster Configuration from an Administrative Command Prompt

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Validate Health for both Cluster Nodes using the cluster.exe Command using an Administrative Command Prompt.

Task 11

Create a Highly Available File Server Configuration using the Failover Cluster Management Console

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Create a Highly Available File Server Configuration using the Failover Cluster Management Console.

Task 12

Review the Client Experience when Moving File Services from Node to Node from a Windows 7 Enterprise Client Workstation

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Review the Client Experience upon Moving File Services from Cluster Node to Cluster Node using a Windows 7 Enterprise Edition Client Workstation.

Task 13

Use the Failover Cluster Management Console for Cluster Node Maintenance

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Review Tasks for Cluster Node Maintenance upon both Cluster Nodes using the Failover Cluster Management Console.

Task 14

Configure Preferred Ownership and associated Failover Recovery Options using the Failover Cluster Management Console

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Configure Failover Cluster Parameters such as Preferred Ownership and Failover Recovery Options using the Failover Cluster Management Console.

Task 15

Monitor a Failover Cluster File Server using System Center Operations Manager 2007 SP1 Console

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Review Operational Monitoring capabilities for both Cluster Nodes using the System Center Operations Manager 2007 SP1 Console.

Task 16

Patch a Failover Cluster File Server Configuration using Microsoft Update and the Failover Cluster Management Console

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Review the Operating System Patching Tasks for both Cluster Nodes using Microsoft Update and the Failover Cluster Management Console.

Task 17

Review the Online Resources available through the IT Pro Secure Corporation Blog Site and RSS Feed

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Review the itprosecure.com Blog Site and associated RSS Feed for Syndication.

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