

Windows clustering

A 3 day **Hands on** training course



Description

This course covers high availability and disaster recovery technologies such as live migration, storage migration and Hyper-V Replica, as well as providing in-depth coverage of failover clustering including a detailed implementation of failover clustering of Hyper-V using SoFS. The course also covers System Center Virtual Machine Manager and implementing Network Load Balancing (NLB) and load balancing clusters.



Key outcomes

By the end of the course delegates will be able to:

- ✓ Plan and implement a failover cluster.
- ✓ Describe managing server roles and clustering resources.
- ✓ Implement and manage virtual machines.
- ✓ Use System Center Virtual Machine Manager.
- ✓ Describe cloud-based storage and high availability solutions.
- ✓ Implement a Network Load Balancing (NLB) cluster.



Training Approach

This structured course uses Instructor Led Training to provide the best possible learning experience. Small class sizes ensure students benefit from our engaging and interactive style of teaching with delegates encouraged to ask questions throughout the course. Quizzes follow each major section allowing checking of learning. Hands on sessions are used throughout to allow delegates to consolidate their new skills.



Details

Who will benefit?

Technical staff working with Microsoft clusters.

Prerequisites

Supporting Microsoft Windows server

Duration: 3 days

Overall rating:



Generic Training



Generic training compliments product specific courses covering the complete picture of all relevant devices including the protocols "on the wire".

"Friendly environment with expert teaching that teaches the why before the how."
G.C. Fasthosts

Small Class Sizes



We limit our maximum class size to 8 delegates; often we have less than this. This ensures optimal interactivity between delegates and instructor.

"Excellent course. The small class size was a great benefit..."
M.B. IBM

Hands On Training



The majority of our courses use hands on sessions to reinforce the theory.

"Not many courses have practice added to it. Normally just the theoretical stuff is covered."
J.W. Vodafone

Our Courseware



We write our own courses; courseware does not just consist of slides and our slides are diagrams not bullet point text.

"Comprehensive materials that made the course easy to follow and will be used as a reference point."
V.B. Rockwell Collins

Customise Your Course



Please contact us if you would like a course to be customised to meet your specific requirements. Have the course your way.

"I was very impressed by the combination of practical and theory. Very informative. Friendly approachable environment, lots of hands on."
S.R. Qinetiq

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Course Content

High Availability in Windows Server

Defining levels of availability, High Availability and disaster recovery solutions with Hyper-V Virtual Machines, High Availability with failover clustering in Windows Server.

Hands on: Configuring High Availability and Disaster Recovery.

Implementing failover clustering

Planning a failover cluster, creating a new failover cluster.

Hands on: Creating and Administering a Cluster.

Server roles and clustering resources

Configuring highly available applications and services on a failover cluster, managing and maintaining a failover cluster, troubleshooting a failover cluster, implementing site high availability with multisite failover clusters.

Hands on: Managing server roles and clustering resources.

Failover clustering with Hyper-V

Overview of integrating Hyper-V with failover clustering, implementing Hyper-V with failover clustering, managing and maintaining Hyper-V Virtual Machines on failover clusters.

Hands on: Implementing failover clustering by using Hyper-V

Storage Infrastructure Management with Virtual Machine Manager

Virtual Machine Manager, managing storage infrastructure with Virtual Machine Manager, provisioning failover clustering in Virtual Machine Manager.

Hands on: Managing storage infrastructure.

Cloud-Based storage and High Availability

Azure storage solutions and infrastructure, cloud integrated storage with StorSimple, disaster recovery with Azure Site Recovery.

Hands on: Managing cloud-based storage and high availability

Network Load Balancing Clusters

Overview of NLB, configuring an NLB cluster, planning NLB.

Hands on: Implementing a Network Load Balancing Cluster

What our customers say

"Absolutely brilliant, very knowledgeable and helpful trainer would recommend to teach anyone. Kept me interested 100% of the time which is very impressive as this does not happen often, if at all!"

O. B. Network Rail

"The best technical course I've been on!"

L. W. Fujitsu Telecoms Europe

"Very well thought out and structured course. Would recommend 100%. Lots of equipment, good quality."

A.R. Unipart

"Course content is interesting. Relevant to current systems and presented well."

S.S-T. Arqiva

