

WorkshopPLUS Windows Server Failover Cluster



WorkshopPLUS

Target Audience:

This workshop will provide participants with the necessary knowledge to begin deploying and managing Failover Clustering Technology using Windows Server 2016 in their environment.

Prerequisites:

- *3-5 years minimum experience administering Microsoft Windows Server based operating systems*

Overview

Windows Server 2016 Failover Clustering is a three day workshop that will give participants everything they need to successfully design, deploy and manage Windows Server 2016 Failover Clusters. Numerous hands-on labs cover all aspects of the Windows Server 2016 Failover Clustering platform, including architecture, troubleshooting and disaster recovery.

Key Features and Benefits

Each workshop module is designed to provide participants with in-depth knowledge of all relevant Failover Cluster topics, such as the Quorum model, cluster storage and new deployment options in Windows Server 2016.

Technical Highlights

After completing this course, you will be able to:

- Identify key features of Failover Clustering.
- Review Best Practices.
- Understand efficient methods of deploying and managing Failover Clustering environments.

Syllabus

Hosted labs Requirements:

A workstation or laptop with Internet access and a compatible browser to access the online lab environment. This workshop is only available as a hosted solution and requires each student to have Internet access.

This workshop runs for **3** full days. Students should anticipate consistent start and end times for each day. Early departure on any day is not recommended.

Module 1: Getting Started: The first module covers topics in Failover Clustering history, its installation and changes from previous versions.

Module 2 Deploying Failover Cluster Roles: This module discusses deploying various Failover Cluster roles and new Failover Cluster deployment methods such as Workgroup/Multi-Domain clusters. New high availability options such as Fault Domains and Site-Aware clusters are also covered.

Module 3: Managing a Failover Cluster This module covers managing your cluster. Topics covered include BitLocker Drive Encryption, Cluster Aware Updating, and Cluster Rolling Upgrades.

Module 4: Troubleshooting and Disaster Recovery: This module deep dives into troubleshooting your Failover Cluster. It also covers backup and restore methods for Failover Clustering.