

# 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.