

## MOC 40389 A Windows Server 2016 First Look Clinic

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### Course Summary

#### Description

This Microsoft First Look Clinic introduces IT Professionals to the new features and capabilities of Windows Server 2016. It's designed to provide a broad range of knowledge across a broad array of technologies focusing on the pillars Identity, Compute & Networking. No topic is covered fully, but students will finish the clinic with an understanding of the new and improved features and capabilities of Windows Server 2016. This course is based on Windows Server 2016 Technical Preview 4, and the technologies are subject to change in the final release.

#### Topics

- What's New in Compute
- What's New in Identity
- What's New in File and Storage Services
- What's New in Networking

#### Audience

This clinic is intended for IT Professionals who are interested in learning about the new features and functionality in Windows Server 2016. People who are key influencers and technology decision makers in an IT organization will also be interested in attending this clinic and will benefit from gaining early insight into some of the latest technologies included in Windows Server 2016. In general, early adopters of new technology or people looking to gain early insight into new functionality in Windows Server 2016 will benefit from attending this First Look Clinic.

#### Prerequisite

While there are no specific prerequisites for attending the course, students will benefit most if they have experience in the following areas:

- Experience with Windows Server 2012 & 2012 R2
- Familiar with AD DS
- Experience configuring storage in an enterprise
- Experience managing an enterprise network
- Experience with virtual machines & clustering

#### Duration

One half day

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### Course Outline

#### I. *What's New in Compute*

In this module, we explore all of the new features related to Compute in Windows Server 2016 Technical Preview. Specifically, we focus on Nano Server, Hyper-V, Windows Server and Hyper-V Containers, and management features.

- A. Introducing Windows Server 2016
- B. Introducing Nano Server
- C. New Features of Hyper-V on Windows Server 2016
- D. Introducing Windows Server and Hyper-V Containers
- E. Windows Server 2016 Management

#### II. *What's New in Identity*

Windows Server 2016 has many new features in Identity to improve the ability for organizations to secure Active Directory environments and help them migrate to cloud-only deployments and hybrid deployments, where some applications and services are hosted in the cloud and others are hosted on premises. This module introduces you to those improvements.

- A. What's new in Active Directory Domain Services (AD DS)
- B. Active Directory Federation Services (AD FS) improvements

#### III. *What's New in File and Storage Services*

The introduction of Windows Server 2016 Technical Preview brings with it several new storage capabilities to the platform for the IT professional to design, deploy, and maintain Windows Server storage. This module provides an overview of some of them.

- A. Storage Spaces Direct
- B. Storage Replica
- C. Storage QoS

#### IV. *What's New in Networking*

Networking improvements include new features and enhancements that make flexible workload placement and mobility possible. Organizations need flexibility, reliability, high levels of performance, and a focus on applications and workloads. To meet these needs, Windows Server 2016 delivers enhancements in the reliability, performance, and interoperability of virtual networking; improved support for centralized configuration and management across virtual and physical networks; new virtualized network functions for transforming the network cloud; and seamless datacenter extensions for flexible workload placement and mobility. This module covers the new networking features in Windows server 2016.

- A. Software Defined Networking
- B. Windows Server networking technologies
- C. Networking Services