PLANNING AND ADMINISTERING SHAREPOINT 2016

Course Code: 821529

Learn to deploy, administer, and troubleshoot a Microsoft SharePoint 2016 Environment.

In this course, you will learn to deploy, administer, and troubleshoot a Microsoft SharePoint 2016 environment. You'll learn the guidelines, best practices, and considerations to install, configure, manage, and optimize SharePoint 2016.

What You'll Learn

- Key features of SharePoint 2016
- Design a logical and physical architecture for a SharePoint 2016 deployment
- Install and configure SharePoint 2016
- Create and configure web applications and site collections
- Manage users, permissions, and secure content in a SharePoint 2016 deployment
- Configure authentication in a SharePoint 2016 deployment
- Configure platform and farm-level security in a SharePoint 2016 deployment
- Mange information taxonomy in SharePoint web applications and site collections
- Configure and manage user profiles and audiences
- Configure and Manage the Search Experience in SharePoint 2016
- Monitor, maintain, and troubleshoot a SharePoint 2016 deployment

Prerequisites

- Software management in a Windows Server 2012 or Windows Server 2012 R2 enterprise server environment
- Deploying and managing applications natively, virtually, and in the cloud
- Administering IIS
- Configuring AD DS for use in authentication, and as a user store
- Managing an application remotely by using Windows PowerShell 4.0
- Managing databases and server roles in SQL Server
- Connecting applications to SQL Server
- Implementing claims-based security
- Using Microsoft Hyper-V virtual machines
- Minimum one year experience with deploying and administering multiple

SharePoint 2013 farms across a large enterprise
- Two years' experience with SharePoint 2010 along with knowledge of the differences between SharePoint 2010 and SharePoint 2013, specifically in terms of hybridization

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CLASSROOM LIVE	$2,995 USD	5 Day

Classroom Live Outline

1. Introducing SharePoint 2016
   - Key components of a SharePoint Deployment
   - New features in SharePoint 2016
   - SharePoint 2016 deployment options
2. Design an Information Architecture
   - Identify the architecture and capabilities of SharePoint 2016
   - Identify new and deprecated features in SharePoint 2016
   - Identify deployment options for SharePoint 2016
3. Design a Logical Architecture
   - Overview of the SharePoint 2016 logical architecture
   - Document your logical architecture
4. Design a Physical Architecture
   - Design physical and supporting components for SharePoint deployments
   - SharePoint farm topologies
   - Map a logical architecture design to a physical architecture design
5. Install and Configure SharePoint 2016
   - Install SharePoint 2016
   - Script installation and configuration of SharePoint
   - Configure SharePoint 2016 farm settings
6. Create Web Applications and Site Collections
   - Create and configure web applications
   - Create and configure site collections
7. Plan and Configure Service Applications
   - Service application architecture introduction
   - Create and configure service applications
8. Manage Users, Permissions, and Secure Content
   - Configure authorization in SharePoint 2016

- Manage access to content
9. Configure Authentication for SharePoint 2016
    - Overview of authentication
    - Configure federated authentication
    - Configure server-to-server authentication
10. Secure a SharePoint 2016 Deployment
    - Secure the platform
    - Configure farm-level security
11. Mange Taxonomy
    - Mange content types
    - Understand managed metadata
    - Configure the managed metadata service
12. Configure User Profiles
    - Configure the user profile service application
    - Configure directory import and synchronization
13. Configure Enterprise Search
    - Understand the search service application architecture
    - Configure and manage enterprise search
14. Monitor and Maintain a SharePoint 2016 Environment
    - Monitor a SharePoint 2016 environment
    - Tuning and optimization a SharePoint 2016 environment
    - Plan and configure caching
    - Troubleshoot a SharePoint 2016 environment

Classroom Live Labs

- Lab 1A: Design an Information Architecture – Part One
- Lab 1B: Design an Information Architecture – Part Two
- Lab 2: Design a Logical Architecture
- Lab 3: Design a Physical Architecture
- Lab 4A: Deploy and Configure SharePoint 2016 – Part One
- Lab 4B: Deploy and Configure SharePoint 2016 – Part Two
- Lab 5A: Create and Configure Web Applications
- Lab 5B: Create and Configure Site Collections
- Lab 6: Plan and Configure Service Applications
- Lab 7A: Manage Users and Groups
- Lab 7B: Secure Content in SharePoint Sites
- Lab 8: Extend Your SharePoint 2016 to Support Secure Sockets Layer (SSL)
- Lab 9: Secure a SharePoint 2016 Deployment
- Lab 10A: Configure Content-Type Propagation
- Lab 10B: Configure and Use the Managed Metadata Services
- Lab 11A: Configure User Profiles
- Lab 11B: Configure My Sites and Audiences
- Lab 12A: Configure Enterprise Search
- Lab 12B: Optimize the Search Experience

- Lab 13A: Monitor a SharePoint 2016 Deployment
- Lab 13B: Investigate Page Load Times

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VIRTUAL CLASSROOM LIVE	$2,995 USD	5 Day

Virtual Classroom Live Outline

1. Introducing SharePoint 2016
   - Key components of a SharePoint Deployment
   - New features in SharePoint 2016
   - SharePoint 2016 deployment options
2. Design an Information Architecture
   - Identify the architecture and capabilities of SharePoint 2016
   - Identify new and deprecated features in SharePoint 2016
   - Identify deployment options for SharePoint 2016
3. Design a Logical Architecture
   - Overview of the SharePoint 2016 logical architecture
   - Document your logical architecture
4. Design a Physical Architecture
   - Design physical and supporting components for SharePoint deployments
   - SharePoint farm topologies
   - Map a logical architecture design to a physical architecture design
5. Install and Configure SharePoint 2016
   - Install SharePoint 2016
   - Script installation and configuration of SharePoint
   - Configure SharePoint 2016 farm settings
6. Create Web Applications and Site Collections
   - Create and configure web applications
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7. Plan and Configure Service Applications
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   - Create and configure service applications
8. Manage Users, Permissions, and Secure Content
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    - Overview of authentication
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10. Secure a SharePoint 2016 Deployment
    - Secure the platform
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11. Mange Taxonomy
    - Mange content types
    - Understand managed metadata
    - Configure the managed metadata service
12. Configure User Profiles
    - Configure the user profile service application
    - Configure directory import and synchronization
13. Configure Enterprise Search
    - Understand the search service application architecture
    - Configure and manage enterprise search
14. Monitor and Maintain a SharePoint 2016 Environment
    - Monitor a SharePoint 2016 environment
    - Tuning and optimization a SharePoint 2016 environment
    - Plan and configure caching
    - Troubleshoot a SharePoint 2016 environment

Virtual Classroom Live Labs

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- Lab 1B: Design an Information Architecture – Part Two
- Lab 2: Design a Logical Architecture
- Lab 3: Design a Physical Architecture
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PRIVATE GROUP TRAINING	5 Day

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