

# 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
- Manage 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

# PLANNING AND ADMINISTERING SHAREPOINT 2016

Course Code: 821529

CLASSROOM LIVE

\$2,995 CAD

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. Manage Taxonomy
  - Manage 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

# PLANNING AND ADMINISTERING SHAREPOINT 2016

Course Code: 821529

VIRTUAL CLASSROOM LIVE

\$2,995 CAD

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
  - 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. Manage Taxonomy
  - Manage 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

- 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





# PLANNING AND ADMINISTERING SHAREPOINT 2016

Course Code: 821529

PRIVATE GROUP TRAINING

5 Day

Visit us at [www.globalknowledge.com](http://www.globalknowledge.com) or call us at 1-866-716-6688.

Date created: 4/18/2025 7:08:23 AM

Copyright © 2025 Global Knowledge Training LLC. All Rights Reserved.