

SHAREPOINT 2013 ADMINISTRATION COURSE CONTENT

❖ **SHAREPOINT 2013 ADMINISTRATION TRAINING OBJECTIVES:**

ALL STUDENTS WILL LEARN TO:

- Understand the basic architecture of SharePoint 2013
- Install SharePoint Server 2013
- Scale a SharePoint 2013 farm
- Use the Central Administration site to perform day-to-day administrative activities
- Use the Windows Azure Access Control Service (ACS)
- Create and manage the content databases associated with a Web application
- Use the standard site templates available in SharePoint 2013
- Create and configure SharePoint tenancies
- Understand the Business Data Connectivity Service (BCS)
- Create External Content Types
- Configure a site collection as a Content Type Publishing Hub
- Create taxonomies of managed metadata
- Create and configure a User Profile Service Application
- Understand the search architecture and how to use it in custom solutions
- Configure the Sandboxed Code Service and monitor sandboxed solutions running within your farm
- Restore a SharePoint 2013 farm in the event of catastrophic server failure.
- Migrate site content from a SharePoint 2010 farm to a SharePoint 2013 farm

❖ **GETTING STARTED WITH SHAREPOINT 2013:**

- SharePoint Foundation Architecture
- SharePoint 15 Product SKUs
- What's New in SharePoint 2013
- Windows PowerShell Primer

❖ **INSTALLING SHAREPOINT SERVER 2010:**

- Hardware Requirements
- Installing Prerequisite Software
- Creating Dedicated Service Accounts
- Installing SharePoint Server 2013
- Creating the Farm and Configuration Database

❖ **TOPOLOGY AND CONFIGURATION:**

- Understanding Farm Topologies
- Configuring Managed Accounts
- Managing Timer Jobs
- Creating and Configuring Service Applications by hand
- Creating and Configuring Service Applications using PowerShell

❖ **CONFIGURING SECURITY AND USER AUTHORIZATION:**

- The Fundamentals of Claims-based Security
- Configuring Integrated Windows Authentication with Kerberos vs. NTLM
- Configuring Forms-based Authentication (FBA)
- Outsourcing User Management to External Identity Providers such as Windows Live
- Configuring a Trust to the Windows Azure Access Control Service (ACS)

❖ **CREATING AND CONFIGURING WEB APPLICATIONS:**

- Creating New Web Applications

- Configuring Web Application
- Managing Content Databases
- Creating Site Collections
- Configuring Self-service Site Collections

❖ **MANAGING SITE COLLECTIONS AND TENANCIES:**

- Site Templates
- Capacity Planning
- Site Collection Security
- Understanding Tenancies
- Configuring Subscriptions

❖ **BUSINESS CONNECTIVITY SERVICES:**

- BCS Architecture External Data Sources
- Creating and Configuring External Contents Types
- Configuring Profile Pages and External Lists
- BCS Enhancements involving OData Support
- Using The Secure Store Service to configure Advanced Authentication Techniques

❖ **THE MANAGED METADATA SERVICE:**

- Overview of the Managed Metadata Service
- Enhancement to the Managed Metadata Service in SharePoint 2013
- Creating and Managing Term Sets, Terms and Taxonomies
- Working with Document Sets
- Configuring a site collection as a Content Type Publishing Hub

❖ **CONFIGURING THE USER PROFILE SERVICE:**

- Overview of User Profiles and Social Networking
- Create and Configuring a User Profile Service Application (UPA)
- Create and Configuring The User Profile Synchronization Service (UPS)
- Creating and configuring Audiences
- Creating and Managing My Sites
- Understanding User Task Synchronization using the Work Management Service

❖ **CONFIGURING A SEARCH IN SHAREPOINT 2013:**

- The New Unified Search Architecture of SharePoint 2013
- Creating and Configuring Content Sources
- Understanding the Content Processing Pipeline
- Introduction to Result Sources, Result Types and Query Rules
- Working with Managed Properties

❖ **HEALTH MONITORING AND OPTIMIZATION:**

- The Developer Dashboard
- Working with ULS Logs
- The Logging Database
- Health Analyzer and Usage Reporting
- Timer Jobs and Server Affinity
- The New Request Manager in SharePoint 2013

❖ **DEPLOYING AND MONITORING CUSTOM SOLUTIONS:**

- Deploying and Managing Farm solutions and Sandboxed Solutions

- Introduction to the new SharePoint App Model
- Configuring SharePoint App Authentication using OAuth
- Configuring SharePoint App Authentication using Server-to-server (S2S) Trusts

❖ **PREPARING FOR BACKUP, RESTORE, AND DISASTER RECOVERY:**

- Versioning and Restoring Documents
- Configuring Recycle Bin Behavior
- Backup and Restore of site collections, Content Database and Farms
- Preparing for Disaster Recovery
- Recovering the Farm After Server Failure

❖ **UPGRADING CONTENT FROM SHAREPOINT 2010 TO SHAREPOINT 2013:**

- Upgrade Concepts and Terminology
- Deprecated Upgrade Techniques from SharePoint 2010
- Preparing for Database Attach
- Migrating Content
- SharePoint 2010 UI Mode versus SharePoint 2013 UI Mode

❖ **CONCLUSION:**

ADMINISTRATION TRAINING PREREQUISITES

❖ **SOFTWARE NEEDED ON EACH STUDENT PC:**

THIS SHAREPOINT 2013 TRAINING COURSE REQUIRES:

- **Your own environment (local or virtual) with the following:**
 - 64-bit processor with at least 4 cores
 - The 64-bit edition of Windows Server 2008 R2 Service Pack 1 (SP1) Standard, Enterprise, or Datacenter or the 64-bit edition of Windows Server 2012 Standard or Datacenter
 - The 64-bit edition of SQL Server 2008 R2 Service Pack 1 or The 64-bit edition of Microsoft SQL Server 2012
 - At least 24GB RAM (32GB or more RAM recommended)
 - At least 80GB free hard drive space on the system drive
 - .NET Framework 4.5 or later
 - Visual Studio 2012 or later