

SharePoint – 2013 Syllabus

General Introduction

- What is IIS
- IIS Website & Web Application
- Steps to Create Multiple Website on Port 80
- What is Application Pool
- What is AppDomain
- What is ISAPI Filter / Extension
- Web Garden & Web Farm
- HTTPS and SSL
- Active Directory users and groups creation

Introduction to SharePoint 2013

- What is SharePoint
- High Level Features
- Six Pillars of SharePoint 2013
- Version History of SharePoint
- Role of SharePoint Server in LAN.
- Components in SharePoint
- Developers Onion View of SharePoint.

SharePoint Installation and Administration

- Hardware & Software Requirements
- Supported Browser
- Types of Installation
- Software's to be Installed
- Central Administration Site
- Managed Accounts

SharePoint Site Hierarchy

- SharePoint Site Hierarchy
- Web Application
- Site Collection
- Creating Site and Sub Site
- SharePoint site Home Page.
- Branding Site Look and Feel
- Working with Quota Templates
- Save Site as Template
- Create Site from Template

Introduction to Apps SharePoint 2013

- Overview of Apps
- Create Custom List
- Add Custom Columns
- Site Columns and Groups
- Sort and Filter List
- Create / Manage List View
- Content Type
- List Template
- Versioning of Data
- Metadata Navigation Settings
- List Throttling

Builtin Apps Configuration - List & Libraries

- Predefined List Apps
- Predefined Library Apps.
- Editing Document properties

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- Version Settings
- Check out, edit, and check in files.
- Create folders and navigate between them
- Adding Documents
- Library as Template

Security – User Groups and Permissions

- Authentication vs. Authorization
- Creating users and groups in Active Directory
- SharePoint Groups
- Creating Custom Permissions Groups
- Granting Permission to User/groups
- To Create a Custom Permission level
- To bind Users/Groups and Permission Level
- Managing Permissions in Sub site.
- Allow Users to create their own site
- To Set Site Confirmation and Deletion of unused sites
- Permissions for Lists / Libraries / ListItems

Claim Based Authentication

- How does Claims Based Authentication works?
- Creating SQL Server Database for authentication using Membership and Role Provider
- Creating Web Application using CBA.
- Allowing Anonymous Access in a Web Application
- Enable Form Based Authentication
- Editing web.config of Web Application, Central Admin Application and STS
- Zones in SharePoint
- Creating an Alternate Access Mapping

Enterprise Content Management

- Managed Metadata Service
- Term, Termsets& Keywords
- Enterprise Content Type
- Document sets
- Document ID Service and IDs
- Content Organizer and Automatic routing
- In Place Record Management
- Record Center
- Configure Record Library as Template.

User Profile Service Administration

- What is Social Computing?
- Managing User Profiles
- User Profile Service Application
- Synchronization Service
- Working with Audience
- Tags and Notes
- Configuring with MySite
- Working with Newsfeeds, skydrive., Sites
- Following Documents and Sites.

Administering and configuring Search

- Purpose of Enterprise Search solution
- Microsoft Server Side Search Products

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- What's New in SharePoint Search Server 2013
- Logical architecture for the Enterprise Search Components
- Setting up Search Service Application
- Configuring Crawler Settings
- Queries and Results Settings
- Search Administration at the Site Collection Level
- Creating Enterprise Search Center
- Creating Keywords, Definitions, Best Bets and Synonyms
- Creating Search Scopes

PowerShell

- Overview of PowerShell
- Pipelining of cmdlets
- Windows PowerShell Scripts
- Using .NET Objects
- SharePoint PowerShell Snap-In
- Creating/Managing a Web Application
- Creating/Managing Site Collection and Site

Backup and Restore

- Complete Backup of Web Application
- Complete Restore of Web Application
- Granular Backup of Site Collection
- Exporting & Importing of List

Server Object Model

- Using Microsoft.SharePoint.DLL
- Site Architecture and Object Overview
- SPWebApplication, SPSite, SPWeb, SPList and more...
- Sample Programs to understand the Object Model

CAML and LINQ

1. Introduction to CAML
2. Writing CAML Queries
3. Implementing Join
4. LINQ Introduction
5. LINQ to SharePoint

Client Object Model

6. **Managed Object Model**
7. **Silverlight Client Object Model**
8. **Javascript Client Object Model**
9. **Using SharePoint Web Services in Client Application**

SharePoint Tools for Visual Studio 2013

10. Visual Studio Project templates for SharePoint 2013
11. Server Explorer, Feature Designer, Package Explorer
12. Building and Deploying Solutions in Visual Studio 2013 for SharePoint 2013

Features

- SharePoint Root Directory
- Features Overview
- Features Scope
- Create a new feature and Deploying Features using VS2012
- Feature Events

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- Manage SharePoint Solution (WSP) using PowerShell Commands

Visual Studio Templates

- Creating Content Type.
- Creating SharePoint List Definition with List Instance.
- Modify the User Interface Using Custom Actions

Event Receivers

- Event Handlers - Before events and After Events.
- Event receiver base classes.
- Registering Event Handlers
- Example of Before Events
- Programming After Events

Working with WebParts

- Building a Simple Web Part
- Persisting Properties
- Editing Properties in Editor WebPart
- Developing Custom Editor WebPart
- Composite Web Part
- Visual Web Part
- Web Part Communication.

Sandboxed Solutions

- What is Sandboxed Solution.
- Comparing Farm Solution with Sandbox Solutions.
- Benefits of using sandboxed solutions.
- To enable sandboxed solutions by using Central Administration.
- Create a Sandboxed Solution Project with a web part.
- Build and Deploy the Sandboxed Solution.
- Using Windows PowerShell for Administration Sandboxed Solutions.

InfoPath

- About InfoPath 2010
- Creating SharePoint list and Publishing in SharePoint site
- Creating Form and Publishing to SharePoint site
- Deploy Form Templates That Contain Form Code That Requires Full Trust
- Writing Custom Code in InfoPath Form
- Walkthrough to Delete SharePoint list items from InfoPath form

Business Connectivity Service

- Creating a BDC Project in VS.NET
- Working with Entities and Methods
- Type Descriptor
- Using Data in External List
- Granting Permissions to the BDC List.

Workflow

- What is Workflow
- SharePoint Workflows
 - 3-State Workflow
 - Approval Workflow
- Custom Workflow: Role of Visio 2010, SharePoint Designer 2010 and VS-2010
 - Building Workflow with Visio 2010

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- Building Workflow with SharePoint Designer 2010
- Developing Workflow with Visual Studio 2010
- Adding Association Forms in Visual Studio 2010

SharePoint Designer

- Introduction to SharePoint Designer 2013
- Creating / Opening a site in SPD 2013
- Creating / Customizing Lists and Libraries
- Ghosted and Unghosted Pages
- Understand Master Pages
- Branding SharePoint 2010