



## 7. Microsoft Training

### 7.3 Sharepoint

#### Prerequisites:

1. C/C++

**Duration:** 60 Lectures

#### Course Content:

##### 1. General Introduction

- 1.1. What is IIS
- 1.2. Steps to Create Multiple Website on Port 80
- 1.3. What is Application Pool
- 1.4. What is App Domain
- 1.5. What is ISAPI Filter / Extension
- 1.6. Web Garden & Web Farm
- 1.7. HTTPS and SSL
- 1.8. Active Directory users and groups creation

##### 2. Introduction to SharePoint

- 2.1. What is SharePoint
- 2.2. High Level Features
- 2.3. Six Pillars of SharePoint 2010
- 2.4. Version History of SharePoint
- 2.5. Role of SharePoint Server in LAN
- 2.6. Components in SharePoint

##### 3. SharePoint Installation and Administration

- 3.1. Hardware & Software Requirements
- 3.2. Supported Browser



- 3.3. Types of Installation
- 3.4. Software's to be Installed
- 3.5. Central Administration Site
- 3.6. Managed Accounts
- 3.7. Configuration To Send and Receive E-Mail

## 4. SharePoint Site Hierarchy

- 4.1. SharePoint Site Hierarchy
- 4.2. Web Application
- 4.3. Site Collection
- 4.4. Creating Site and Sub Site
- 4.5. SharePoint site Home Page.
- 4.6. Branding Site Look and Feel
- 4.7. Working with Quota Templates
- 4.8. Save Site as Template
- 4.9. Create Site from Template

## 5. Lists

- 5.1. Overview of Lists
- 5.2. Create Custom List
- 5.3. Add Custom Columns
- 5.4. Site Columns and Groups
- 5.5. Sort and Filter List
- 5.6. Create / Manage List View
- 5.7. Content Type
- 5.8. List Template
- 5.9. Versioning of Data
- 5.10. Metadata Navigation Settings
- 5.11. List Throttling

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## 6. Predefined List & Libraries

- 6.1. Predefined Lists
- 6.2. Predefined Libraries
- 6.3. Editing Document properties
- 6.4. Version Settings
- 6.5. Check out, edit, and check in files
- 6.6. Create folders and navigate between them
- 6.7. Adding Documents
- 6.8. Document Template
- 6.9. Document Workspace

## 7. Security – User Groups and Permissions

- 7.1. Authentication vs Authorization
- 7.2. Creating users and groups in Active Directory
- 7.3. SharePoint Groups
- 7.4. Creating Custom Permissions Groups
- 7.5. Granting Permission to User/groups
- 7.6. To Create a Custom Permission level
- 7.7. To bind Users/Groups and Permission Level
- 7.8. Managing Permissions in Sub site
- 7.9. Allow Users to create their own site
- 7.10. To Set Site Confirmation and Deletion of unused sites
- 7.11. Permissions for Lists / Libraries / List Items

## 8. Claim Based Authentication

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



## 9. Enterprise Content Management

- 9.1. Managed Metadata Service
- 9.2. Term, Term sets & Keywords
- 9.3. Enterprise Content Type
- 9.4. Document sets
- 9.5. Document ID Service and IDs
- 9.6. Content Organizer and Automatic routing
- 9.7. In Place Record Management

## 10. User Profile Service Administration

- 10.1. What is Social Computing?
- 10.2. Managing User Profiles
- 10.3. User Profile Service Application
- 10.4. Synchronization Service
- 10.5. Working with Audience
- 10.6. Tags and Notes
- 10.7. Working with My Site

## 11. Administering and configuring Search

- 11.1. Purpose of Enterprise Search solution
- 11.2. Microsoft Server Side Search Products
- 11.3. What's New in SharePoint Search Server 2010
- 11.4. Logical architecture for the Enterprise Search Components
- 11.5. Setting up Search Service Application
- 11.6. Configuring Crawler Settings
- 11.7. Queries and Results Settings
- 11.8. Search Administration at the Site Collection Level
- 11.9. Creating Keywords, Definitions, Best Bets and Synonyms
- 11.10. Creating Search Scopes

## 12. Power Shell

- 12.1. Overview of Power Shell
- 12.2. Pipelining of cmdlets



- 12.3.Windows Power Shell Scripts
- 12.4.Using .NET Objects
- 12.5.SharePoint Power Shell Snap-In
- 12.6.Creating/Managing a Web Application
- 12.7.Creating/Managing Site Collection and Site

## 13. Backup and Restore

- 13.1.Complete Backup of Web Application
- 13.2.Complete Restore of Web Application
- 13.3.Granular Backup of Site Collection
- 13.4.Exporting & Importing of List

## 14. Server Object Model

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

## 15. CAML and LINQ

- 15.1.Introduction to CAML
- 15.2.Writing CAML Queries
- 15.3.Implementing Join
- 15.4.LINQ Introduction
- 15.5.LINQ to SharePoint

## 16. Client Object Model

- 16.1.Managed Object Model
- 16.2.Silver light Client Object Model
- 16.3.JavaScript Client Object Model
- 16.4.Using SharePoint Web Services in Client Application



## 17. SharePoint Tools for Visual Studio 2010

- 17.1. Visual Studio Project templates for SharePoint 2010
- 17.2. Server Explorer, Feature Designer, Package Explorer
- 17.3. Building and Deploying Solutions in Visual Studio 2010 for SharePoint 2010

## 18. Features

- 18.1. SharePoint Root Directory
- 18.2. Features Overview
- 18.3. Features Scope
- 18.4. Create a new feature and Deploying Features using VS2010
- 18.5. Feature Events
- 18.6. Manage SharePoint Solution (WSP) using Power Shell Commands

## 19. Visual Studio Templates

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

## 20. Event Receivers

- 20.1. Event Handlers - Before events and After Events.
- 20.2. Event receiver base classes
- 20.3. Registering Event Handlers
- 20.4. Example of Before Events
- 20.5. Programming after Events

## 21. Working with Web Parts

- 21.1. Overview of Web Parts
- 21.2. Web Part Page Structure
- 21.3. Common Web Parts
- 21.4. Manage Web Part
- 21.5. Creating Custom Web Parts in VS.NET
- 21.6. Add Web Part to Gallery



21.7. Adding Web Part to Page from Gallery

21.8. Connecting Web Parts

## 22. Sandboxed Solutions

22.1. What is Sandboxed

22.2. Applications deployable as Sandboxed

22.3. Sand boxed and Farm Deployment comparison

22.4. Benefits of Sandbox

22.5. Enable Sandbox Service

22.6. Blocking a Sandbox solution

22.7. Build and Deploy Sandboxed Solution

## 23. InfoPath

23.1. Form controls

23.2. Form templates

23.3. Publishing form to document library

## 24. Business Connectivity Service

24.1. Creating a BDC Project in VS.NET

24.2. Working with Entities and Methods

24.3. Type Descriptor

24.4. Using Data in External List

24.5. Granting Permissions to the BDC List

## 25. Workflow

25.1. Overview of Workflow

25.2. Creating Workflow using Web Interface

25.3.3 – State

25.4. Approval

25.5. Signature

25.6. Workflow Authoring using SharePoint Designer 2010

25.7. Workflow Authoring using Visual Studio 2010

25.8. Managing Workflow Instances in the Farm



25.9.No-code workflows designed in Visio 2010 and developed in SharePoint Designer 2010

## 26. SharePoint Designer

- 26.1.What's new in SharePoint Designer
- 26.2.Opening SharePoint Site in Designer
- 26.3.Types of Panes
- 26.4.Editing look and feel using CSS and Themes
- 26.5.Application Pages
- 26.6.Customized Pages
- 26.7.Page Layout
- 26.8.Creating Master Pages
- 26.9.Creating Content Pages
- 26.10. Working with external data sources
- 26.11. Data View Web Parts
- 26.12. Data Source
- 26.13. Working with Web Parts
- 26.14. Working with Workflows

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