



COURSE OUTLINE FOR PLANNING DESIGNING CONFIGURING AND ADMINISTERING SHAREPOINT 2010 SERVER

Duration: 80 hrs

Fees: INR XXX ☺ per Individual + Taxes

About this Course

The course teaches students how to install, configure and administer SharePoint, and also manage and monitor sites and users by using SharePoint 2010.

Audience Profile

This course is intended for IT Professionals who are experienced Windows Server 2003 or 2008 administrators and are interested in learning how to administer SharePoint 2010. The course is also intended for part time Business Application Administrators (BAAs) who are engaged in administering line-of-business (LOB) applications in conjunction with internal business customers.

Must Have Knowledge

1. SQL Server Administration
2. AD and DC Administration
3. Client Server Architecture
4. Three Tire Architecture
5. Web application and Web Services

At Course Completion Trainees will be able to

- Prepare for and install SharePoint 2010
- Configure the fundamental service and logical components of a SharePoint implementation
- Administer SharePoint using the user interface, the command line, and Windows PowerShell
- Manage content in Lists and Libraries
- Administer identities and authentication
- Secure content in SharePoint sites
- Manage customizations to a SharePoint implementation
- Configure SharePoint services and applications
- Configure SharePoint social networking features
- Manage SharePoint search
- Configure farms, servers, service applications, and web applications
- Install, upgrade (theory), configure, and operate a SharePoint farm
- Configure high availability and recoverability (theory)
- Monitor and optimize SharePoint performance
- Manage Customization
- Use Out of Box Features In SharePoint 2010

Module 1: SharePoint 2010 Overview

CONCEPTS

- Why SharePoint?
- Distinguished Features
- SharePoint Sites
- Ribbon UI
- Site Editing
- Silverlight Web Part
- Theming
- Cross-Browser Support
- SharePoint Workspace
- Taking entire sites offline with SharePoint Workspace
- Work anywhere with Mobile

HANDS ON LABS

1. Prepare Environment for SharePoint Farm and Install SharePoint Farm on single Machine
2. Create Web application, Site Collection and site with various templates
3. See mobile site and enhanced site editing with ribbon and new features like inline edit and themes

DEMO

1. Digital asset Management

Module 2 SharePoint 2010 Communities

CONCEPTS

- My Sites
- Tagging
- Ratings
- Blogging
- Enterprise Wikis

HANDS ON LABS

1. Create My Site
2. Tag and Note

DEMO

1. My site capabilities

Module 3 SharePoint Content

CONCEPTS

- creation, review, publication and disposal of content
- Document management, records management, and Web-content management.
- Permission and security Management
- Content & Search

HANDS ON LABS

1. Create Site Columns
2. Create Content type



DEMO

1. SharePoint 2010 Office workspace

Module 4 SharePoint Search

CONCEPTS

- Metadata Management
- Search Service Application
- People Search

HANDS ON LABS

1. Configuring the User Profile Service in SharePoint 2010
2. Create and configure Managed Metadata Service Application, User Profile Service Application and User profile Synchronization Service
3. Configuring the Search Service Application

DEMO Search Center

Module 5 SharePoint Insights and Composites

CONCEPTS

- Business Connectivity Services (BCS)
- Excel services
- Performance point services
- Web Analytics
- Mange customization: Farm solution
- Sandboxed Solutions management
- Health Monitoring
- Back Up and Restore
- Developer Dashboard

HANDS ON LABS

1. Developer Dashboard using powershell and Managing Customization

DEMO Developer dashboard

Module 6 SharePoint 2010 Architecture and Deployment Scenarios

CONCEPTS

SharePoint 2010 Architecture

- Discover the options for providing hosted SharePoint services –
- New Software Requirements
- Information Architecture Changes
- Logical Architecture Changes
- Physical Topology Changes
- Minimum Software Requirements
- Claims-based authentication
- Physical Topology Changes



- Architectural Components
- WFE Changes
- App Server Changes
- SQL Server Changes

SharePoint 2010 deployment scenarios

- Examine various SharePoint 2010 farm architecture best practices that have developed over the past year
- Examine SharePoint Best Practice Farm Architecture
- Understand SharePoint Virtualization Options
- Explore SharePoint DR and HA strategies using Database Mirroring
- Architecting the Farm

SharePoint 2010 Installation

- Service Accounts
- Configuring the Farm
- Security Considerations
- Infrastructure Security and Best Practices
- Best Practice Service Account Setup

Service Application Model

- Become familiar with the new Service Application Model
- User Profile Sync (UPS) Setup
- To configure diagnostic logging
- Understand how sites use Service App features
- Know the underlying components in IIS and SQL used to support Service Apps
- View some Example Topologies
- Scaling Service Applications
- SA Proxies
- SA Proxy Groups
- Service Databases
- A Service-scoped timer job infrastructure

HANDS ON LABS

1. SP2010 Two Tier Farm Installation
2. Scale Out a SharePoint 2010 Farm From Two-Tier to Three-Tier By Adding A Dedicated Application Server

DEMO SharePoint 2010 Virtual Machine

Module 7 SharePoint 2010 security and Performance

CONCEPTS

- SharePoint Security in a Nutshell
- Authentication
- Users and groups
- Roles (permission levels)
- Auditing
- Authentication providers
- Claims-based Authentication
- SharePoint 2010 Performance



- List Improvements
- Throttling and Limits

HANDS ON LABS

3. Assign Users' and Groups Permissions on a Site
4. Throttling On SharePoint 2010 Lists
5. SharePoint 2010 FBA Claims based authentication

Module 8 Backup and Restore Using Central Admin

CONCEPTS

- Farm Backup Solutions
- Backup – Config Settings
- Restore – Farm or Config
- Restore database and overwrite
- Content DB Backup Solutions
- Backup - Search
- Restore - Search
- Backup – Service Apps
- Restore – Service Apps
- Backup History
- Granular Backup and restore
- Recovery Scenarios

HANDS ON LABS

1. How to do Backup and Restore in SharePoint 2010

Module 9 Customization Management in SP2010

CONCEPTS

- Solution packaging changes and options in 2010
- Sandboxed solutions Deployment
- Monitoring

HANDS ON LABS

1. Manage Customization: Sandbox solution

Module 10 SharePoint 2010 Upgrade Concepts

CONCEPTS

- Upgrade to 2010(Theory)
- Upgrade Process
- Upgrade Preparation
- Upgrade Methods
- Post Upgrade steps