

Microsoft Office SharePoint Server 2007

Duration: 5 Days

Introduction

Microsoft Office SharePoint Server 2007 with “Share” as its mission statement popularly known as MOSS 2007 is a set of integrated server platform technologies used for connecting people, processes, and information. It gives you the ability to quickly build web applications with out-of-the-box functionality for the intranet, extranet and Internet. It is known for its document storage, structured list storage, and group collaboration.

MOSS 2007 also provides web content management, enterprise content services, and enterprise search, as well as shared business processes and business intelligence dashboarding to the small/medium enterprise.

Course Objective :

This course is designed for the experienced developers who intend to get started with MOSS 2007. It begins with a basic understanding of the architecture and then gradually moves with hands-on, step-by-step of how-to procedures and code examples clarifying each concept.

Prerequisites:

Participants would need to have an experience in web development using ASP.NET 2.0. Knowledge of SPS 2003 (SharePoint Portal Server 2003) would prove to be an added advantage.

Course Outline

Office 2007 Developer Roadmap

- Architectural overview of Office 2007
- WSS as a collaboration solution
- WSS as a server-side development platform
- WSS integration with Office 2007 clients
- Overview of MOSS components and services

Windows SharePoint Services 3.0 Architecture

- WSS Integration with ASP.NET 2.0
- Provisioning sites, pages and lists
- Creating sites using WSS collaboration features
- Site pages versus application pages
- Customizing Master Pages and it's pages
- Working with the SharePoint Designer 2007

Designing Content Storage

- New enhancements to lists and document libraries
- Creating and using Site Columns
- Creating and using Content Types
- Customizing Document Information Panels
- Writing and testing Event Handlers
- Creating custom field types with Visual Studio 2005

Web Content Management

- Customizing and branding a MOSS portal site
- Creating content types and custom page layouts for Web content
- Understanding the MOSS content approval process
- Converting Office documents into Web-ready formats
- Optimizing performance with MOSS caching features

Developing Custom Site Definitions

- WSS Site Definition Primer
- Creating a Custom Site Definition
- Working with the ONET.XML file
- Creating a custom page template for site definitions home page
- Creating a site definition with a custom Master Page
- Composing a custom site definition using feature references
- Integrating a site definition using a WEBTEMP*.XML file

Features and Site Definitions

- Introduction to features
- Writing and testing a feature
- Introduction to site definitions
- Composing site definitions with feature references
- Creating WSS solution deployment packages

Developing Web Parts

- Creating and testing ASP.NET Web Part in WSS
- Adding Persistent Web Part Properties
- Creating Web Parts with ASP.NET User Controls
- Web Part Connections
- Migrating WSS v2 Web Parts to WSS V3

Web Part Development

- Creating ASP.NET Web Parts for WSS
- Adding SafeControl entries to the web.config file
- Testing and debugging Web Parts DLLs
- The Web Part Gallery
- Importing Web Parts with Web Part Description (*.webpart) files
- Creating a feature to import Web Parts into the Web Part Gallery

Developing Event Handlers

- Creating custom event handlers by inheriting from WSS receiver base classes
- Creating, testing and debugging WSS event handlers
- Writing cancel-able synchronous event handlers containing validation logic
- Writing asynchronous event handlers to maintain calculated columns
- Creating a feature that binds an event handler to list events

Extending Portal and Search

- Shared Service Provider (SSP) Architecture
- User Profiles and Audiences
- Extending MOSS Search
- The Business Data Catalog

Excel Services and Business Intelligence

- Introduction to Excel Services
- Rendering Excel spreadsheets in the browser
- Report Center integration with SQL Reporting Services
- Report Center integration with SQL Server 2005 Analysis Services
- Creating Dashboards with Key Performance Indicators (KPIs) and filters

WSS/MOSS Security

- IIS Worker Process Identity
- WSS integration with ASP.NET 2.0 Authentication Providers
- Integrating MOSS with Windows Rights Management Services
- Authenticating WSS/MOSS sites using Forms Authentication
- Configuring authorization and access control within a site
- Securing MOSS with Antigen Anti-Virus software
- Using the MOSS Single Sign On (SSO) Service

InfoPath Forms Services

- Forms Services Architecture
- Designing server-side forms with InfoPath 2007
- InfoPath integration with WSS forms libraries
- User deployment of server-side forms versus administrator deployment
- Extending InfoPath forms with Visual Studio Tools for Applications (VSTA)

SharePoint Workflows

- Windows Workflow Foundation Primer
- WSS integration with WWF
- WSS end-user perspective of workflows
- Creating Workflows with the SharePoint Designer
- Creating workflows with Visual Studio 2005

Backup/Restore

- Performing Backup and Restore from MOSS Site
- Backup using the StsAdm.exe Cmd Line Tool
- Backup of lists and libraries from the SharePoint Designer