

20332 - Advanced Solutions of Microsoft SharePoint Server 2013

Duration: 5 days

Overview:

This five-day course examines how to plan, configure, and manage a Microsoft SharePoint Server 2013 environment. Special areas of focus include implementing high availability, disaster recovery, service application architecture, Business Connectivity Services, social computing features, productivity and collaboration platforms and features, business intelligence solutions, enterprise content management, web content management infrastructure, solutions, and apps. The course also examines how to optimise the Search experience, how to develop and implement a governance plan, and how to perform an upgrade or migration to SharePoint Server 2013.

Target Audience:

The course track is targeted at experienced IT Professionals interested in learning how to install, configure, deploy and manage SharePoint Server 2013 installations in either the data centre or cloud. In addition, Business Application Administrators (BAAs) who are engaged in the administering line-of-business (LOB) projects in conjunction with internal business customers would benefit from understanding of managing SharePoint Server 2013. The training addresses three audiences:

- Existing SharePoint 2010 customers and partners who need to understand the major changes in SharePoint 2013. In addition there have been other improvements in tools and methodologies.
- Customer who are new to SharePoint. SharePoint market size is growing significantly and is expected to continue to grow, so there are many new customers with no previous experience
- Customers running a previous version of SharePoint (SharePoint 2003 and SharePoint 2007) which did not upgrade to SharePoint 2010, so are not familiar

Module 1: Understanding Architecture in SharePoint Server 2013

Lessons

- Core Components of the SharePoint 2013 Architecture
- New Features in SharePoint Server 2013
- SharePoint Server 2013 and SharePoint Online Editions

Lab : Reviewing Core SharePoint Concepts

- Reviewing Core SharePoint Concepts
- Reviewing Core SharePoint Concepts

Module 2: Designing for Business Continuity Management

Lessons

- Designing Database Topologies for High Availability and Disaster Recovery
- Designing SharePoint Infrastructure for High Availability
- Planning for Disaster Recovery

Lab : Planning and Performing Backups and Restores

- Create a Backup and Restore Plan
- Test the Backup and Restore Process

Module 3: Test the Backup and Restore Process

Lessons

- Planning Service Applications
- Designing and Configuring a Service Application Topology
- Configuring Service Application Federation

Lab : Planning a Service Application Architecture

- Planning a Service Application Topology

Lab : Federating Service Applications between SharePoint Server Farms

- Creating a Service Application Instance
- Establishing Trust Relationships between SharePoint Farms
- Publishing and Consuming Service Applications

Module 4: Configuring and Managing Business Connectivity Services

Lessons

- Planning and Configuring Business Connectivity Services
- Configuring the Secure Store Service
- Managing Business Data Connectivity Models

Lab : Configuring BCS and the Secure Store Service

- Configuring the Business Data Connectivity Service Application
- Configuring the Secure Store Service

Lab : Managing Business Data Connectivity Models

- Configuring a Secure Store Service target application
- Importing and Configuring BDC Models

Module 5: Connecting People

Lessons

- Managing User Profiles
- Enabling Social Interaction
- Building Communities

Lab : Configuring Profile Synchronisation and My Sites

- Configuring Profile Synchronisation
- Configuring My Sites

Lab : Configuring Community Sites

- Creating a Community Site Infrastructure
- Configuring Community Site Participation

Module 6: Enabling Productivity and Collaboration

Lessons

- Aggregating Tasks
- Planning and Configuring Collaboration Features
- Planning and Configuring Composites

Lab : Configuring Project Sites

- Creating Project Sites
- Configuring Project Sites
- Engaging Project Teams

Lab : Configuring Workflow

- Configure Windows Azure Workflow and SharePoint Workflow Services
- Creating and Testing a Workflow

with the architecture of SharePoint 2010 or SharePoint Server 2013

Pre-requisites:

Before attending this course, students must have:

- Completed Course 20331: Core Solutions of Microsoft SharePoint Server 2013, successful completion of Exam 70-331: Core Solutions of Microsoft SharePoint 2013, or equivalent skills
- At least one year's experience of mapping business requirements to logical and physical technical design
- Working knowledge of network design, including network security
- Experience managing software in a Windows 2008 R2 enterprise server or Windows Server 2012 environment
- Deployed and managed applications natively, virtually, and in the cloud
- Administered Internet Information Services (IIS)
- Configured Active Directory for use in authentication, authorisation and as a user store
- Managed an application remotely using Windows PowerShell 2.0
- Connected applications to Microsoft SQL Server
- Implemented Claims-based security

At Course Completion:

After completing this course, students will be able to:

- Describe the core features of SharePoint 2013
- Plan and design a SharePoint 2013 environment to meet requirements for high availability and disaster recovery
- Plan and implement a service application architecture for a SharePoint 2013 deployment
- Configure and manage Business Connectivity Services features in a SharePoint 2013 deployment
- Plan and configure social computing features
- Plan and configure productivity and collaboration platforms and features
- Plan and configure Business Intelligence solutions
- Optimise the search experience for an enterprise environment
- Plan and configure enterprise content management in a SharePoint 2013 deployment

Module 7: Planning and Configuring Business Intelligence

Lessons

- Planning for Business Intelligence
- Planning, Deploying and Managing Business Intelligence Services
- Planning and Configuring Advanced Analysis Tools

Lab : Configuring Excel Services

- Provisioning Excel Services
- Configuring External Data Access
- Configuring Data Connections

Lab : Configuring PowerPivot and Power View for SharePoint

- Configuring PowerPivot for SharePoint
- Configuring Power View for SharePoint

Module 8: Planning and Configuring Enterprise Search

Lessons

- Configuring Search for an Enterprise Environment
- Configuring the Search Experience
- Optimising Search

Lab : Planning an Enterprise Search Deployment

- Planning a Search Solution

Lab : Managing Search Relevance in SharePoint Server 2013

- Configuring a Thesaurus
- Configuring Entity Extractors and Refiners
- Configuring Query Spelling Correction
- Configuring Company Name Extraction

Module 9: Planning and Configuring Enterprise Content Management

Lessons

- Planning Content Management
- Planning and Configuring eDiscovery
- Planning Records Management

Lab : Configuring eDiscovery in SharePoint Server 2013

- Creating and Configuring an eDiscovery Center
- Discovering and Preserving Content
- Querying and Exporting Content

Lab : Configuring Records Management in SharePoint Server 2013

- Configuring In-Place Records Management

Module 10: Planning and Configuring Web Content Management

Lessons

- Planning and Implementing a Web Content Management Infrastructure
- Configuring Managed Navigation and Catalogue Sites
- Supporting Multiple Languages and Locales
- Enabling Design and Customisation
- Supporting Mobile Users

Lab : Configuring Managed Navigation and Catalogue Sites

- Configuring Product Catalogue Sites
- Configuring Cross-Site Publishing
- Configuring Publishing Sites

Lab : Configuring Device Channels

- Configuring Device Channels

Module 11: Managing Solutions in SharePoint Server 2013

Lessons

- Understanding the SharePoint Solution Architecture
- Managing Sandbox Solutions

Lab : Managing Solutions

- Configuring Sandboxed Solution Management at the Farm Level
- Configuring Sandboxed Solution Management at the Site Collection Level
- Deploying Farm Solutions

Module 12: Managing Apps for SharePoint Server 2013

Lessons

- Understanding the SharePoint App Architecture
- Provisioning and Managing Apps and App Catalogues

Lab : Configuring and Managing SharePoint Apps

- Configuring a SharePoint Farm to Support Apps
- Creating and Configuring a Corporate App Catalogue
- Deploying and Monitoring Apps

- Plan and configure a web content management infrastructure to meet business requirements
- Manage solutions in a SharePoint 2013 deployment
- Configure and manage apps in a SharePoint Server 2013 environment
- Develop and implement a governance plan for SharePoint Server 2013
- Perform an upgrade or migration to SharePoint Server 2013

Module 13: Developing a Governance Plan

Lessons

- Introduction to Governance Planning
- Key Elements of a Governance Plan
- Planning for Governance in SharePoint Server 2013
- Implementing Governance in SharePoint 2013

Lab : Developing a Plan for Governance

- Creating a Governance Plan

Lab : Managing Site Creation and Deletion

- Creating and Publishing Site Policies
- Enabling and Managing Self-Service Site Creation

Module 14: Upgrading and Migrating to SharePoint Server 2013

Lessons

- Preparing Upgrade or Migration Environment
- Performing the Upgrade Process
- Managing Site Collection Upgrade

Lab : Performing a Database-Attach Upgrade

- Import the SharePoint 2010 Databases
- Migrating and Upgrading a Service Application
- Migrating and Upgrading a Content Database

Lab : Managing Site Collection Upgrades

- Preparing Site Collections for Upgrade
- Upgrading Site Collections