

# Ultimate Bootcamp®

"Where Great IT Professionals Go For Great Training"

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## Microsoft SharePoint 2010 Administrator MCITP Ultimate Bootcamp®

### Course Objectives

After completing this Ultimate Bootcamp, students 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, configure, and operate a SharePoint farm
- Configure high availability and recoverability
- Monitor and optimize SharePoint performance
- Create a logical architecture design
- Create a logical Service Application architecture
- Create a capacity and performance plan for SharePoint 2010
- Map the logical architecture, service application architecture, and the capacity and performance plan against a physical architecture
- Design a security plan for SharePoint 2010 based on the principle of least-privilege
- Create an authentication plan for SharePoint 2010 that meets the business requirements
- Create a corporate taxonomy plan for a SharePoint 2010 environment and enable consumption of the terms within the term store
- Design a SharePoint 2010 environment that supports social computing features including user profiles and My Sites
- Design and implement search strategy in SharePoint 2010
- Translate business requirements for content management into an Enterprise Content Management solution
- Create a plan that reflects the role of SharePoint in an overarching corporate Business Intelligence strategy
- Develop the key SharePoint elements of a governance plan that is in agreement with the overarching corporate governance strategy
- Develop a plan for maintaining and monitoring a SharePoint 2010 deployment
- Develop a business continuity plan for SharePoint 2010
- Plan an upgrade from a previous SharePoint Product and Technologies version to SharePoint 2010

### MCITP Overview

This six-day, extended hours, instructor-led bootcamp will provide you with the knowledge and skills to install, configure and administer SharePoint, and also manage and monitor sites and users by using SharePoint 2010.

In addition, this bootcamp teaches IT Professionals to design and plan the deployment of Microsoft SharePoint 2010.

### Prerequisites

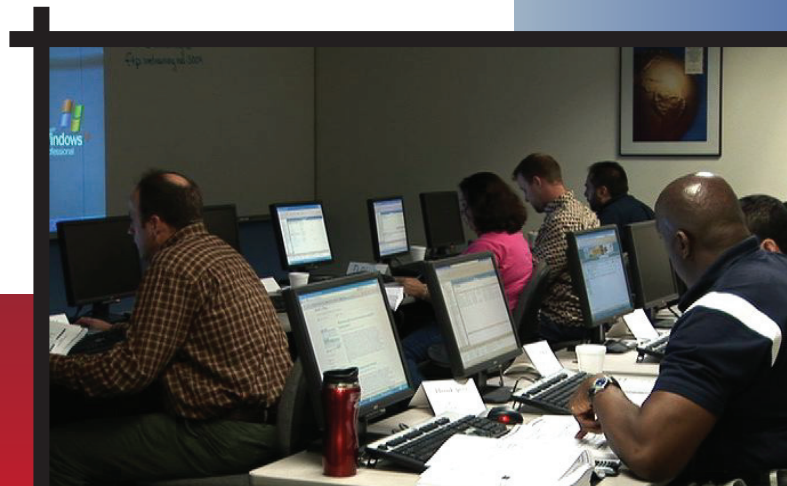
Before attending this Ultimate Bootcamp, students must have experience:

- Administering Active Directory: creating and managing user and group accounts, delegation of administration, configuring Group Policy
- Administering network infrastructure: DNS, TCP/IP connectivity
- General conceptual awareness of Microsoft .NET Framework as it relates to SharePoint 2010
- Administering SQL Server 2005 or 2008: creating logons, assigning roles, using SQL Management Studio
- One year experience using Windows PowerShell cmdlets
- General security and authentication practices
- Experience administering, deploying, managing, monitoring, upgrading, migrating, and designing SharePoint servers
- Experience of mapping business requirements to logical and physical technical design
- Working knowledge of network design, including network security

**Course Length: 6 days, 8am-6pm**

MICROSOFT SHAREPOINT 2010  
ADMINISTRATOR MCITP

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### Course Outline (Modules listed in \*blue\* have labs)

#### Module 1: Introducing SharePoint 2010

##### Lessons

- Evaluate the Features of SharePoint 2010
- Prepare for SharePoint 2010
- Install SharePoint 2010
- Advanced Installation of SharePoint 2010

Lab : Install SharePoint 2010

#### Module 2: Creating a SharePoint 2010 Intranet

##### Lessons

- Perform Initial Farm Configuration
- Configure the SharePoint Logical Structure
- Explore the SharePoint Web Application and Physical Architecture

Lab : Create a SharePoint 2010 Intranet

#### Module 3: Administering and Automating SharePoint

##### Lessons

- Configure Central Administration
- Administer SharePoint from the Command Line
- Automate SharePoint Operations with Windows PowerShell

Lab : Automate SharePoint with Windows PowerShell

Lab : Administer SharePoint with Stsadm

#### Module 4: Configuring Content Management

##### Lessons

- Optimize Content Storage and Access
- Manage Site Content Types and Site Columns
- Configure the Managed Metadata Service

Lab : Configuring List Throttling and Remote BLOB Storage

Lab : Configure Managed Metadata

#### Module 5: Configuring Authentication

##### Lessons

- Classic SharePoint Authentication Providers
- Federated Authentication

Lab : Configuring Custom Authentication

Lab : Configuring Secure Store

#### Module 6: Securing Content

##### Lessons

- Administer SharePoint Users and Groups
- Implement SharePoint Roles and Role Assignments
- Secure and Audit SharePoint Content

Lab : Configuring Security for SharePoint Content

#### Module 7: Managing SharePoint Customizations

##### Lessons

- Customize SharePoint
- Deploy and Manage Features and Solutions
- Configure Sandboxed Solutions

Lab : Administering Features and Solutions

Lab : Administering Sandboxed Solutions

Lab : Administering the Developer Dashboard

#### Module 8: Configuring and Securing SharePoint Services and Applications

##### Lessons

- Secure the Enterprise SharePoint Service
- Secure and Isolate Web Applications
- Configure Service Applications

Lab : Administer SharePoint Services

Lab : Configure Application Security

Lab : Administer Service Applications

#### Module 9: Implementing Productivity Service Applications

##### Lessons

- Implement Business Connectivity Services
- Implement Excel Services Application
- Implement PerformancePoint Services
- Implement InfoPath Services
- Implement Visio Services
- Implement Access Services
- Implement Office Web Apps

Lab : Implement Office Web Apps

#### Module 10: User Profiles and Social Networking

##### Lessons

- Configure User Profiles
- Implement SharePoint 2010 Social Networking Features

Lab : Lab 10 A: Configuring User Profiles

Lab : Configuring My Sites

#### Module 11: Administering and Configuring SharePoint Search

##### Lessons

- Configure Search
- Refine Search

Lab : Configure Search

Lab : Refine Search

#### Module 12: Installing and Upgrading to SharePoint 2010

##### Lessons

- Install SharePoint Servers and Farms
- Upgrade to SharePoint 2010
- Monitor and Troubleshoot installation and upgrade
- Update SharePoint

Lab : Implementing Advanced SharePoint 2010 Installations

Lab : Scripting a SharePoint 2010 Install

Lab : Implementing SharePoint 2007 Upgrade Requirements

Lab : Upgrading SharePoint 2007 to SharePoint 2010

#### Module 13: Implementing Business Continuity

##### Lessons

- Lesson 1: Configure High availability
- Lesson 2: Backup and Restore SharePoint

Lab : Implement a Backup Strategy

Lab : Implement a Restore Strategy

#### Module 14: Monitoring and Optimizing SharePoint Performance

##### Lessons

- Monitor Performance
- SharePoint Health Analyzer
- Usage reports and web analytics
- Monitor and Optimize SharePoint Performance

Lab : Configure Diagnostic Logging

Lab : Administer Logs with the ULS Viewer

Lab : Configure Health Analyzer Rules

Lab : Build Reports Using the SharePoint Logging Database

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#### **Module 15: Designing a Logical Architecture**

##### Lessons

- Identifying Business Requirements

##### Lab : Designing a Logical Architecture

#### **Module 16: Planning a Service Application Architecture**

##### Lessons

- Introduction to the SharePoint 2010 Service Application Architecture
- Mapping Logical Architecture to Service Applications
- Service Application Framework Components

##### Lab : Planning a Service Application Architecture

#### **Module 17: Planning for Performance and Capacity**

##### Lessons

- Performance Planning Principles
- Designing for Performance
- Capacity Planning Principles
- Designing for Capacity Resilience

##### Lab : Planning for Capacity and Performance

#### **Module 18: Designing a Physical Architecture**

##### Lessons

- SharePoint 2010 Physical Design
- Non-SharePoint Physical Design
- Model Design Topologies
- Mapping a Logical Architecture Design to a Physical Architecture Design

##### Lab : Designing a Physical Architecture

#### **Module 19: Designing a Security Plan**

##### Lessons

- Designing to Secure SharePoint 2010
- Planning for Service Accounts
- Planning for User and Group Security
- Planning for SSL

##### Lab : Designing a Security Plan

#### **Module 20: Planning Authentication**

##### Lessons

- Overview of Authentication
- Introduction to Claims-based Authentication
- Selecting Authentication Methods

##### Lab : Planning Authentication

#### **Module 21: Planning Managed Metadata**

##### Lessons

- SharePoint 2010 Metadata Architecture
- Overview of Content Types
- Mapping Managed Metadata to Business Requirements

##### Lab : Planning Managed Metadata

#### **Module 22: Planning for Social Computing**

##### Lessons

- Overview of Social Computing
- Planning SharePoint 2010 Social Computing Functionality
- Planning User Profile Services

##### Lab : Planning Social Computing

#### **Module 23: Designing an Enterprise Search Strategy**

##### Lessons

- Overview of SharePoint 2010 Search Architecture
- Search Topologies
- Mapping Business Requirements to SharePoint Search
- Search

##### Lab : Designing an Enterprise Search Strategy

#### **Module 24: Planning an Enterprise Content Management Strategy**

##### Lessons

- Overview of Enterprise Content Management
- Planning Content Management Policies
- Planning Web Content Management

##### Lab : Planning Enterprise Content Management

#### **Module 25: Planning a SharePoint 2010 Implementation of an Existing Business Intelligence Strategy**

##### Lessons

- Overview of Business Intelligence Principles
- Mapping Business Needs to SharePoint 2010 Data Visualization Options
- Mapping Business Needs to SharePoint 2010 Information Presentation
- Planning External Data Access

##### Lab : Planning a SharePoint 2010 Implementation of a Business

#### **Module 26: Developing a Plan for Governance**

##### Lessons

- What Is Governance?
- Planning for Governance in SharePoint 2010
- Implementing the Governance Plan in SharePoint 2010

##### Lab : Developing a Plan for Governance

#### **Module 27: Designing an Operations and Maintenance Plan**

##### Lessons

- Maintenance and Monitoring Principles
- Creating a SharePoint 2010 Maintenance Plan
- Creating a SharePoint 2010 Monitoring Plan
- Considerations for the Maintenance and Monitoring of Associated Technologies

##### Lab : Designing a Maintenance and Monitoring Plan

#### **Module 28: Planning for Disaster Recovery**

##### Lessons

- Overview of Business Continuity
- Developing a SharePoint Business Continuity Plan
- Creating a Backup and Restore Plan

##### Lab : Planning Business Continuity

#### **Module 29: Planning for Upgrade to SharePoint 2010**

##### Lessons

- Identifying Upgrade Scenarios
- Identifying Upgrade Requirements and Methodologies
- Upgrade Considerations

##### Lab : Planning for Upgrade to SharePoint 2010

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