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## Designing and Deploying Microsoft SharePoint 2010 (GK Premier)

**Duration: 5 Days**    **Course Code: M10231**

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### Overview:

This 5 day ILT course teaches IT Professionals to design and deploy Microsoft SharePoint 2010

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### Target Audience:

This course is intended for IT Professionals who use Microsoft SharePoint 2010 in a team-based, medium-sized to large environment. While they may have implemented a SharePoint deployment, they have limited experience in designing a SharePoint infrastructure. They likely work as a senior administrator who acts as a technical lead over a team of administrators. Members of this audience should have at least 6 months experience with SharePoint 2010 (including pre-released versions of the product)

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### Objectives:

- After completing this course, students will be able to:**
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  - 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
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### Prerequisites:

**Before attending this course, students must have:**

At least 2 years experience administering, deploying, managing, monitoring, upgrading, migrating, and designing SharePoint servers

At least one year's experience of mapping business requirements to logical and physical technical design

Working knowledge of network design, including network security

Completed course 10174A: TS ITPro: Configuring and Managing Microsoft SharePoint 2010, or have equivalent knowledge and



## Content:

### Module 1: Designing a Logical Architecture

This module explains how to create a logical architecture designLessons

Identifying Business Requirements

Overview of SharePoint 2010 Logical Architecture

Documenting Your SharePoint 2010 Environment

Documenting the Logical Architecture

Lab : Designing a Logical Architecture

Mapping Business Requirements to a Logical Architecture Design

Creating a Logical Architecture Diagram

After completing this module, students will be able to:

Identify business requirements and describe how business requirements affect the logical architecture of a SharePoint 2010 deployment.

Map business requirements to SharePoint 2010 architecture components.

Explain the importance of documentation and

Identify and plan security for core service accounts.

Describe the considerations for implementing security for users and groups.

Explain the options for implementing Secure Sockets Layer (SSL) in SharePoint 2010.

**Module 6: Planning Authentication**This module explains how to create an authentication plan for SharePoint 2010 that meets business requirementsLessons

Overview of Authentication

Introduction to Claims-based Authentication

Selecting Authentication Methods

Lab : Planning Authentication

Planning Authentication for Contoso, Ltd

Enabling Claims-Based Authentication

After completing this module, you will be able to:

Describe the different authentication and authorization methods that SharePoint 2010 uses.

Describe claims-based authentication in

Describe the major steps that you should take when you plan a content management solution in SharePoint Server 2010.

Describe the considerations for planning features and policies for content management for SharePoint Server 2010.

Describe how to plan for Web content management in SharePoint Server 2010.

**Module 11: Planning a SharePoint 2010 Implementation of a Business Intelligence Strategy**This module explains how to create a plan that reflects the role of SharePoint in an overarching corporate Business Intelligence strategyLessons

Overview of Business Intelligence Principles

Planning Data Access by Using BCS

Planning SharePoint 2010 Business Intelligence Solutions

Planning for Reporting and Presentation

Lab : Planning a SharePoint 2010 Implementation of a Business Intelligence Strategy

Planning the SharePoint Business Intelligence Implementation

Creating a BI Center and Enabling Excel Services

After completing this module, you will be able to:

describe the options for documenting logical architecture.	SharePoint 2010.	
Describe how to document a logical architecture design.	Select the most appropriate authentication method for a given SharePoint 2010 design.	Describe the principles of BI.
<b>Module 2:</b> Planning a Service Application Architecture This module explains how to create a logical Service Application architecture Lessons	<b>Module 7:</b> Planning Managed Metadata This module explains how to create a corporate taxonomy plan for a SharePoint 2010 environment and enable consumption of the terms within the term store Lessons	Describe how to plan for data access by using BCS.  Describe data and security planning concerns for key BI tools.  Describe the roles of SQL Server Reporting Services and the BI Center in reporting and presenting BI components.
Introduction to the Service Application Architecture in SharePoint 2010	Metadata in SharePoint 2010	<b>Module 12:</b> Developing a Plan for Governance This module explains how to develop the key SharePoint elements of a governance plan that is in agreement with the overarching corporate governance strategy Lessons
Service Application Architecture and Components	Overview of Content Types	
Topologies for Service Applications	Mapping Managed Metadata to Business Requirements	
Mapping Service Applications to Your Logical Architecture	Lab : Planning Managed Metadata	
Lab : Planning a Service Application Architecture		Overview of Governance
	Designing Content Types and a Term Set Framework	Key Elements of a Governance Plan
	Creating the Managed Metadata Service Application	Planning for Governance in SharePoint Server 2010
Identifying and Designing Service Applications	Importing Term Sets	Governance Implementation Features and Policies in SharePoint Server 2010
Creating Service Applications and Assigning Proxy Groups	Publishing a Content Type	Lab : Developing a Plan for Governance
After completing this module, students will be able to:	After completing this module, you will be able to:	
		Creating a Governance Plan
Describe the service application architecture in SharePoint 2010 and list the available service applications.	Describe the function of managed metadata in SharePoint 2010.	Implementing the Governance Plan
		After completing this module, you will be able

Describe the components and options that are available in the service application architecture in SharePoint 2010.	Describe the function of content types and explain how to apply them to business requirements.	to:
Describe some of the topology options for service applications and their respective benefits.	Match the managed metadata architecture in SharePoint 2010 to business requirements.	Describe the concept of governance.
Describe how to map and document business requirements to service applications.	<b>Module 8: Planning Social Computing</b> This module explains how to design a SharePoint 2010 environment that supports social computing features including user profiles and My SitesLessons	Describe the key elements of a governance plan.
<b>Module 3: Planning for Performance and Capacity</b> This module explains how to create a capacity and performance plan for SharePoint 2010Lessons		Plan for governance in SharePoint Server 2010.
	Overview of Social Computing	Describe the governance implementation features and policies in SharePoint Server 2010.
Principles of Performance Planning	Planning for Social Computing Functionality in SharePoint 2010	<b>Module 13: Designing a Maintenance and Monitoring Plan</b> This modules explains how to develop a plan for maintaining and monitoring a SharePoint 2010 deploymentLessons
Designing for Performance	Planning for the User Profile Service	
Principles of Capacity Planning	Lab : Planning Social Computing	
Designing for Capacity		
Lab : Planning for Capacity and Performance		Principles of Maintenance and Monitoring
	Planning User Profiles	Creating a Maintenance Plan for SharePoint 2010
	Configuring User Profile Synchronization	Creating a Monitoring Plan for SharePoint 2010
Creating a Performance Plan	After completing this module, you will be able to:	Considerations for the Maintenance and Monitoring of Associated Technologies
Creating a Capacity Plan		Lab : Designing a Maintenance and Monitoring Plan
After completing this module, you will be able to:		
	Describe the social computing functionality that is available in Microsoft SharePoint 2010.	
Describe the principles of designing to maximize performance.	Describe how the social computing functionality in SharePoint 2010 meets business needs.	Resolving an Error in SharePoint 2010

Create a SharePoint 2010 performance design that mitigates performance problems.	Plan user profiles for providing social computing functionality.	Splitting a Content Database
Describe how capacity planning affects the design of a SharePoint 2010 implementation.	<b>Module 9:</b> Designing an Enterprise Search Strategy This module explains how to design and implement search strategy in SharePoint 2010 Lessons	After completing this module, you will be able to:
Create a SharePoint 2010 farm design that caters for current and future capacity demands.		Describe the essential principles of a maintenance and monitoring plan.
<b>Module 4:</b> Designing a Physical Architecture This module explains how to map the logical architecture, service application architecture, and the capacity and performance plan against a physical architecture Lessons	Overview of SharePoint 2010 Search Architecture	Create a maintenance plan for SharePoint 2010.
	Search Topologies in SharePoint 2010	Create a monitoring plan for SharePoint 2010.
	Capacity and Performance Planning for Search	Describe the considerations for developing a maintenance and monitoring plan that incorporates technologies that support SharePoint 2010.
Designing Physical Components for SharePoint Deployments	Mapping Business Requirements to Search Design	<b>Module 14:</b> Planning Business Continuity This module explains how to develop a business continuity plan for SharePoint 2010 Lessons
Designing Supporting Components for SharePoint Deployments	Lab : Designing an Enterprise Search Strategy	
SharePoint Farm Topologies		
Mapping a Logical Architecture Design to a Physical Architecture Design		
Lab : Designing a Physical Architecture	Planning for Search	Overview of Business Continuity Management
	Planning Physical Topology	Developing a Business Continuity Plan for SharePoint Server 2010
	Creating Search Service Applications	Creating a Backup and Restore Plan for SharePoint Server 2010
Planning the Physical Architecture	Configuring Search	Lab : Planning Business Continuity
Troubleshooting a Name Resolution Problem	After completing this module, you will be able to:	
After completing this module, you will be able to:		Creating a Backup and Restore Plan
	Describe the search architecture and process	

	in SharePoint 2010.	Testing the Recovery Process
Describe the physical design requirements for SharePoint 2010.	Describe the topologies that are available in SharePoint 2010 to service a range of search requirements across business models.	After completing this module, you will be able to:
Describe the supporting requirements for a successful SharePoint 2010 physical design.	Plan and document enterprise search for capacity and performance.	
Identify SharePoint farm topologies.	Describe how to map business requirements to the SharePoint Enterprise and FAST search architectures.	Describe business continuity management.
Map a logical architecture design to a physical architecture design.		Describe how to develop a business continuity plan for SharePoint Server 2010.
<b>Module 5: Designing a Security Plan</b> This module explains how to design a security plan for SharePoint 2010 based on the principle of least-privilegeLessons	<b>Module 10: Planning Enterprise Content Management</b> This module explains how to translate business requirements for content management into an Enterprise Content Management solution.Lessons	Describe how to create a backup and restore plan for SharePoint Server 2010.
		<b>Module 15: Planning for Upgrading to SharePoint 2010</b> This module explains how to plan an upgrade from a previous SharePoint Products and Technologies version to SharePoint 2010Lessons
Designing to Secure SharePoint 2010	Overview of Enterprise Content Management	
Planning for Service Accounts	Planning Tasks for Content Management	
Planning Security for Users and Groups	Planning Features and Policies for Content Management	Identifying Upgrade Scenarios
Planning for SSL	Planning Web Content Management	Planning Your Upgrade
Lab : Designing a Security Plan	Lab : Planning Enterprise Content Management	Upgrade Considerations
		Lab : Planning for Upgrading to SharePoint 2010
Designing for Least-Privilege Security	Developing a Content Management Plan	
Identifying and Resolving Potential Security Issues	Enabling and Configuring Document IDs and Content Organizer	Creating an Upgrade and Migration Plan
Granting Read Access to the Production Auditors Group	Configuring Retention Policies and Records Management	After completing this module, you will be able to:
After completing this module, you will be able to:	After completing this module, you will be able to:	

Describe the security architecture in SharePoint 2010 and the importance of the principle of least privilege.

Describe the core functionality of ECM in SharePoint Server 2010 that influences your design.

Describe the range of upgrade requirement options and the available upgrade methods.

Describe how to plan an upgrade to SharePoint 2010.

Explain the key upgrade considerations.

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### Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 01924 377489

[info@globalknowledge.co.uk](mailto:info@globalknowledge.co.uk)

[www.globalknowledge.co.uk](http://www.globalknowledge.co.uk)

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK