

KOENIG SOLUTIONS • COURSE OUTLINE

Advanced Technologies of SharePoint 2016

Learn to plan, configure and manage advanced SharePoint 2016 services, from hybrid deployments to business intelligence and upgrades.

12

MODULES

73

TOPICS

64

HANDS-ON LABS

COURSE OVERVIEW

This course covers the core architecture of SharePoint 2016 together with hybrid deployment scenarios and business continuity strategies such as high availability, disaster recovery, and backup and restore. It then addresses Business Connectivity Services, the Secure Store Service, SharePoint Add-ins and App Catalogs, solutions management, and features for connecting people through user profiles, social interaction and communities. It continues with web content management, Enterprise Content Management, eDiscovery, records management, business intelligence services, and productivity and collaboration tools including workflows. The final module covers preparing for and performing an upgrade or migration to SharePoint 2016.

WHO THIS COURSE IS FOR

SharePoint Administrators

IT Professionals

Systems Administrators

Infrastructure Specialists

SharePoint Architects

LEARNING OBJECTIVES

- Describe the architectural features of SharePoint 2016
- Prepare for a hybrid SharePoint 2016 deployment
- Design a physical architecture for high availability
- Develop and implement a backup and restore strategy
- Configure Business Connectivity Services and Secure Store Service
- Manage sandboxed solutions and SharePoint Add-ins
- Enable social interaction and build community sites
- Plan and configure business intelligence services

12 Modules, 73 Topics

01

4 Labs

Introduction to SharePoint 2016

This module describes the core architectural components of a SharePoint Server environment, and also helps to identify the new deprecated and removed features in SharePoint 2016.

TOPICS

- Core components of the SharePoint 2016 architecture
- New, deprecated, and removed features in SharePoint 2016
- SharePoint 2016 and SharePoint Online editions

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe the architectural features of a Microsoft SharePoint 2016
- Identify the new, deprecated, and removed features in SharePoint 2016
- Describe the editions for SharePoint 2016 on-premises and Microsoft SharePoint Online

02

2 Labs

3 Labs

Introduction to Hybrid Scenarios for SharePoint 2016

This module describes the key hybrid features in SharePoint 2016, and helps you to prepare for a hybrid SharePoint 2016 deployment.

TOPICS

- Exploring the hybrid features in SharePoint 2016
- Preparing for a hybrid SharePoint 2016 deployment

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe the key hybrid features in SharePoint Server 2016
- Prepare for a hybrid SharePoint 2016 deployment

Designing Business Continuity Management Strategies

This module explains how to select an appropriate database server configuration to meet availability requirements. It also describes how to design a physical architecture and infrastructure to meet high-availability requirements. Finally, this module explains how to develop and implement a backup and restore strategy.

TOPICS

- Designing database topologies for high availability and disaster recovery
- Designing a SharePoint infrastructure for high availability
- Planning for disaster recovery

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Select an appropriate database server configuration to meet availability requirements
- Design a physical architecture and infrastructure to meet high-availability requirements
- Develop and implement a backup and restore strategy

Planning and Implementing Business Connectivity Services and Secure Store Service

This module explains how to configure Business Connectivity Services (BCS), and describes how to configure and manage the Secure Store Service application. It also explains how you can configure and manage BCS models.

TOPICS

- Planning and configuring BCS
- Configuring the Secure Store Service
- Managing BCS models

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Plan and Configure Business Connectivity service application
- Plan and configure the Secure Store Service application
- Manage the Business Data Connectivity models

Configuring Productivity Services for a SharePoint 2016 Deployment

This module describes SharePoint Add-in architecture. This module also explains how to provision and manage SharePoint apps and App Catalogs. Additionally, this module describes how to provision Microsoft Access Services, Visio Services, Word Automation Services, PowerPoint Automation Services, and SharePoint Translation Services.

TOPICS

- Understanding the SharePoint Add-in architecture
- Provisioning and managing apps and App Catalogs
- Provisioning productivity services

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe Microsoft SharePoint Add-ins and the supporting SharePoint infrastructure
- Provision and configure SharePoint Add-ins and App Catalogs
- Manage how apps are used within a SharePoint 2016 deployment

Managing Solutions in Microsoft SharePoint 2016

This module describes the purpose and structure of SharePoint 2016 features and solutions. In addition, it explains how to manage sandbox solutions in Microsoft SharePoint 2016.

TOPICS

- Understanding the SharePoint 2016 solution architecture
- Managing sandboxed solutions

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Manage features and solutions in Microsoft SharePoint 2016
- Manage sandboxed solutions in a SharePoint 2016 deployment

Connecting People

This module explains how to manage user profiles and how to plan and configure My Site and social features. This module also describes how to configure community sites.

TOPICS

- Managing user profiles
- Enabling social interaction
- Building communities

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Manage user profiles in Microsoft SharePoint 2016 and configure user profile synchronization by using Microsoft Identity Manager (MIM) 2016
- Enable social interaction in SharePoint 2016
- Build communities and community sites in SharePoint 2016

Planning and Configuring Web Content Management

This module explains how to plan and configure a web content management infrastructure to meet business requirements. This module also describes how to configure managed navigation and product catalog sites, and how to configure support for multilingual sites. Additionally, it explains and how to plan and manage design and customization for publishing sites, and how to plan and configure support for mobile users.

TOPICS

- Planning and implementing a web content management infrastructure
- Configuring managed navigation and catalog sites
- Supporting multiple languages and locales
- Enabling design and customization
- Supporting mobile users

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Plan and configure a web content management infrastructure
- Configure managed navigation and product catalog sites
- Plan and Configure support for multilingual sites and locales
- Manage design and customization for publishing sites
- Plan and configure support for mobile users

09**4 Labs****2 Labs**

Planning and Configuring Enterprise Content Management

This module explains how to plan for management of content and documents, and how to plan for and configure eDiscovery. Additionally, it describes how to plan for records management and compliance.

TOPICS

Planning Enterprise Content Management · Planning and configuring eDiscovery · Planning records management

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

Plan how to manage content and documents · Plan and configure eDiscovery · Plan records management and compliance

10**2 Labs****3 Labs**

Planning and Configuring Business Intelligence Solutions

This module explains how to plan business intelligence (BI) architecture for SharePoint 2016, and how to deploy and manage BI services. Additionally, this module explains how to plan and configure advanced analysis tools.

TOPICS

- Planning BI architecture
- Planning, deploying, and managing BI services
- Planning and configuring advanced analysis tools

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Explain the Microsoft SharePoint business intelligence (BI) architecture, its components, and plan for business intelligence
- Plan, deploy, and manage the core Microsoft SharePoint 2016 BI services
- Configure the advanced BI options available in SharePoint 2016 and Microsoft SQL Server 2014

11**6 Labs****3 Labs**

Planning and Configuring Productivity and Collaboration

This module explains how to plan and configure productivity and collaboration features. This module also explains how to plan and configure composite solutions in SharePoint 2016.

TOPICS

- Planning and configuring collaboration features
- Planning and configuring composites

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Describe how to plan and configure SharePoint collaborative and coauthoring options
- Configure project sites and engage teams
- Plan and configure composites
- Configure workflows in SharePoint 2016

Upgrading and Migrating to SharePoint 2016

This module explains how to prepare for upgrade or migration to SharePoint 2016. In addition, it explains how to manage site collections and how to upgrade them to SharePoint 2016. Finally, the module describes how to upgrade advanced content from SharePoint Server 2013 to SharePoint 2016.

TOPICS

- Preparing for an upgrade or migration
- Upgrade to SharePoint 2016
- Planning and managing a site-collection upgrade

AFTER COMPLETING THIS MODULE, STUDENTS WILL BE ABLE TO

- Plan and prepare for an upgrade
- Perform upgrades to data and service applications
- Upgrade site collections
- Upgrade advanced content from SharePoint Server 2013 to SharePoint 2016

HANDS-ON LABS

Practise What You Learn

#	MODULE	ACTIVITY
01	Introduction to SharePoint 2016	■ Reviewing the core Microsoft SharePoint 2016 concepts ■ Configuring SharePoint 2016 farms ■ Creating and configuring site collections and sites ■ Provisioning service applications by using the SharePoint 2016 Management Shell
02	Introduction to Hybrid Scenarios for SharePoint 2016	■ Configuring an Office 365 tenant ■ Creating an Office 365 tenant ■ Creating hybrid team sites ■ Preparing the SharePoint environment ■ Running the SharePoint Hybrid picker
03	Designing Business Continuity Management Strategies	■ Planning and performing backup and restore ■ Create a backup and restore plan ■ Test the backup and restore process
04	Planning and Implementing Business Connectivity Services and Secure Store Service	■ Configuring BCS and the Secure Store Service ■ Configuring the BDC Service Application ■ Configuring the Secure Store Service ■ Managing BDC models ■ Configuring a Secure Store Service target application ■ Importing and configuring BDC models

#	MODULE	ACTIVITY
05	Configuring Productivity Services for a SharePoint 2016 Deployment	■ Configuring and managing SharePoint Add-ins ■ Configuring a SharePoint farm to support apps ■ Creating and configuring a corporate App Catalog ■ Deploying and monitoring apps
06	Managing Solutions in Microsoft SharePoint 2016	■ Managing solutions ■ Configuring a SharePoint farm to support sandboxed solutions ■ Configuring a SharePoint site to support sandboxed solutions ■ Deploying farm solutions
07	Connecting People	■ Configuring profile synchronization and My Sites ■ Configuring profile synchronization ■ Configuring My Sites ■ Configuring community sites ■ Creating a community site infrastructure ■ Configuring Community Site participation
08	Planning and Configuring Web Content Management	■ Configuring managed navigation and catalog sites ■ Configuring a product catalog site ■ Configuring Cross-Site Publishing ■ Configuring publishing sites ■ Configuring device channels ■ Configuring device channels
09	Planning and Configuring Enterprise Content Management	■ Configuring eDiscovery in SharePoint 2016 ■ Creating and configuring an eDiscovery Center ■ Discovering and preserving content ■ Querying and exporting content ■ Configuring records management in SharePoint Server 2016 ■ Configuring in-place records management
10	Planning and Configuring Business Intelligence Solutions	■ Installing Office Online Server ■ Deploy Office Online Server ■ Configuring PowerPivot and Power View for SharePoint 2016 ■ Configuring PowerPivot for SharePoint 2016 ■ Configuring Power View for SharePoint

#	MODULE	ACTIVITY
11	Planning and Configuring Productivity and Collaboration	■ Configuring and working with project sites ■ Creating an Office Online Server farm and configuring integration in SharePoint 2016 ■ Creating project sites ■ Configuring project sites ■ Engaging project teams ■ Configuring Project Server integration ■ Configuring a workflow ■ Configuring Microsoft Azure Workflow and Microsoft SharePoint Workflow Services ■ Creating and testing a workflow
12	Upgrading and Migrating to SharePoint 2016	■ Performing a content database migration and upgrade from Microsoft SharePoint Server 2013 ■ Migrating SharePoint Server 2013 Managed Metadata Service ■ Upgrading a SharePoint Server 2013 content database ■ Managing site-collection upgrades ■ Preparing site collections for upgrade ■ Upgrading site collections

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

Visit koenig-solutions.com

✉ info@koenig-solutions.com