

SHAREPOINT 2016 ADMINISTRATION (55355)

Course Code: 821559

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What You'll Learn

- The Installation and configure a SharePoint 2016 Farm
- How to manage a SharePoint 2016 Farm through the GUI and PowerShell
- How to create site collections via GUI and PowerShell
- How to create and configure the all the required service applications for SharePoint 2016
- How to backup and restore in SharePoint 2016

Who Needs to Attend

This course is intended for a IT person wanting to learn about administrating SharePoint 2016.

Prerequisites

- No previous experience of SharePoint is required
- Basic knowledge of Active Directory
- Basic knowledge of Internet Information Server (IIS)

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CLASSROOM LIVE

\$2,995 CAD

5 Day

Classroom Live Outline

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Lessons

- How to build a Min Role Farm
- How to View ULS Logs
- How to document and check IIS Settings for SharePoint 2016

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This module will be a tour of Central Administration and PowerShell management understanding the various configuration options for a farm including post installation good practice such as log file locations, The Distributed cache, Farm solutions, mail server connection using TLS and security management of SharePoint Administrators. You will also be using ULS viewer in order to troubleshoot SharePoint deployments and installations. Finally you will learn about server to server trusts to enable SharePoint to communicate with other applications.

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Module 3: Web Applications

In this module we will explore the new changes to Web Applications and discover the creation and management of them in both Central Administration and PowerShell. You will learn how to use certificates with your SSL Web applications and secure them with the TLS 1.2 protocol. We will also cover the creation of hosting Web Applications for the use of host named site collections. Finally you will learn how to optimize your Web Applications including Throttling and access policies.

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- How to define a new Managed Account
- How to add new IP Addresses to a SharePoint Server
- How to create a claims based web application in SharePoint Central Administration
- How to create a claims based web application in PowerShell
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Module 4: Site Collections

This module covers the creation and management options for Site Collections including good practices for database sizing and management, migrating site collections to new databases and understanding the differences between path based and host named site collections. You will learn how to create and manage site collections through central administration and PowerShell.

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- How to create a managed path
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Module 5: Service Applications

In this module we will look at what is new, changed and depreciated in SharePoint 2016 and the architecture behind the core service applications. You will also learn how to work with multiple farm scenarios including publishing services between farms and how to scale the services. You will also learn how Min Role and service Applications align to each other and learn to scale services through both Min Role and custom farm deployment scenarios.

Lessons

- How to create a State Service Application
- How to create a Search Service Application
- How to create the Managed Metadata Service

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- How to Create a Subscription Settings Service Application
- How to create the Application Management Application Service
- How to configure the application URLs
- How to create the App Catalog Site Collection
- How to Add Apps to the catalog

Module 7: Managing the User Profile Service

In this module you will learn how to build the User Profile Application and what is new in SharePoint 2016 and the options for populating your user profiles in SharePoint from various directory sources. You will learn how to leverage the new Microsoft Identity Management 2016 server for two way synchronization and also importing objects from other LDAP sources. Finally you will look at the new My Sites and the social options provided by this service.

Lessons

- How to create the My Site Web Application
- How to create the User Profile Service Application
- How to Configure the User Profile Synchronization Permissions
- How to create the Active Directory Import Connection
- How to assign permissions for the AD Group to create a My Site
- How to create a My Site

Module 8: Search

This module will look at the architecture of the Search Service and discover how the new components are configured, managed and optimized for performance and resilience. You will be learning about the crawl and query capabilities in SharePoint 2016 as well as the changes from a user's perspective. Finally you will learn about Search scalability and deploying it's components across multiple servers in your farm including custom deployed farms and Min Role farms.

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- How to view the current Search Topology
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- How to configure a new search schema property
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Module 9: Office Online Server

Despite its name this is a module that takes you through the planning and deployment of the on premises version of Office Online Server previously known as Office Web Application Server. You will discover hardware and software requirements and be taken through a full installation and connection to SharePoint 2016. You will then discover how the service then gets leveraged by users in SharePoint through document and search preview.

Lessons

- How to install the pre-requisites for Office Online Server
- How to install the Office Online Server Binaries
- How to create the Office Online Server SSL Certificate
- How to create the Office Online Server Farm
- How to connect to the farm from SharePoint
- How to test the connectivity

Module 10: Enterprise Content Management

In this module you will be looking at all the components that make up an ECM story including Lifecycle management, compliancy and EDiscovery. You will learn Records Management, hold and delete policies and you will learn how to leverage discovery of Email as well as data from SharePoint and file shares plus learn how Data Loss Protection works in SharePoint 2016.

Lessons

- How to create and Apply a site policy
- How to create discovery sets
- How to configure In Place records management
- How to configure the records center
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- How to configure cross-site publication
- How to configure content deployment

Module 12: Workflow Server

Building workflows is a key part of the SharePoint ECM story, in this module you will learn the architecture, hardware and planning and then learn how to build and deploy the workflow manager server and connect it to your SharePoint farm. You will then see how you can now create legacy SharePoint workflows and the newer

workflows using the workflow manager server.

Lessons

- How to install Workflow Manger server and Client Binaries
- How to configure the workflow farm
- How to patch the workflow farm manager and clients
- How to register the workflow service in SharePoint
- How to test Workflow creation

Module 13: Business Connectivity Services and Secure Store

In this module you will learn how to plan, build and configure the Business Connectivity Service (BCS) along with the Secure Store Service and Single Sign on to create data connections to back end data applications and then consume them in SharePoint using data web parts.

Lessons

- How to configure the secure store service
- How to create the BCS service Application
- How to setup the products database
- How to import the BCS Definition
- How to use the BDC file in a list web part

Module 14: Hybrid SharePoint

This module focuses on the new capabilities for SharePoint in a hybrid world including options for DR and scalability through Azure, using the Hybrid Search crawl appliance and configuring the Office 365 options for consuming and redirecting services such as One Drive, My sites and Yammer. You will gain an overall understand of hybrid as a concept and what are the business considerations that need to be discussed when considering hybrid deployment options. You will learn about the differences between infrastructure as a service (IaaS) for SharePoint and Software as a service (SaaS) plus directory replication for user account synchronization.

Lessons

- Shown and Demonstrated the Hybrid features of SharePoint 2016

Module 15: Backup and Restore

Disaster recovery should be a key focus for any SharePoint administrator. In this module you will learn all aspects of SharePoint DR along with backup and restore including the infrastructure element such as SQL databases as well as specific SharePoint components and content. You will learn about farm backups, web applications, service applications as well as site collection, list/libraries and item level restore capabilities out of the box. As part of this module you will also learn about the 3rd party options available and the pro's and con's and around all the options.

Lessons

- How to backup SharePoint 2016 Content
- How to delete SharePoint 2016 Content
- How to restore SharePoint 2016 Content via PowerShell
- How to recover a unattached content database

Module 16: Upgrade

This module is concentrating on the options available for upgrading from previous versions of SharePoint and some of the key design and planning elements that need to be considered before starting an upgrade process. We will cover upgrading from SharePoint 2007, 2010 and 2013. You will learn to upgrade both content databases and service applications to SharePoint 2016.

Lessons

- How to restore and attach a SharePoint 2013 Database
- How to upgrade a SharePoint 2013 MMS Service Application

Classroom Live Labs

Lab: Hardware and Installation

- Building a Farm using Min Role
- View ULS Logs
- Document IIS Settings

Lab: Farm Management

- Manage the Farm Administrators group
- Configure Outgoing Email
- Configure Incoming Email
- Configure Diagnostic and Usage Log options

Lab: Web Applications

- Define a new Managed Account
- Add two new IP addresses to SharePoint1
- Create a Claims based web application in CA
- Create a Claims Web Application using PowerShell
- Create a Hosting web application using PowerShell

Lab: Site Collections

- Create a new Managed Path in Portal Web App
- Create a new Site collection using CA
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- Create an Enterprise Search Centre
- Configure a new Search Scheme property
- Create a site collection-level result source
- Create a new content source

Lab: Office Online Server

- Install the pre-requisites
- Install the binaries
- Create the OOS Certificate
- Create the OOS Farm
- Connect to the farm from SharePoint1
- Test Connectivity from SharePoint2

Lab: ECM

- Creating and Applying a Site Policy
- Discovery sets in eDiscovery
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Lab: WCM

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Lab: Disaster Recovery

- Backup Content
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PRIVATE GROUP TRAINING

5 Day

Visit us at www.globalknowledge.com or call us at 1-866-716-6688.

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