MSP3-5 - MOC 20339-1 - PLANNING AND ADMINISTERING SHAREPOINT 2016

Categoria: **SharePoint 2016**

INFORMAZIONI SUL CORSO

Durata:	Categoria:	Qualifica Istruttore:	Dedicato a:	Produttore:
5 Giorni	SharePoint 2016	Microsoft Certified Trainer	Professionista IT	Microsoft

OBIETTIVI

Descrivere le caratteristiche principali di SharePoint 2016.
Progettare un'architettura delle informazioni per la distribuzione di SharePoint 2016.
Progettare un'architettura logica per la distribuzione di SharePoint 2016.
Progettare l'architettura fisica per la distribuzione di SharePoint 2016.
Installare e configurare SharePoint 2016.
Creare e configurare applicazioni Web e raccolte siti.
Pianificare e configurare le applicazioni di servizio per la distribuzione di SharePoint 2016.
Gestire utenti e permessi, e mettere in sicurezza i contenuti per la distribuzione di SharePoint 2016.
Configurare l'autenticazione per la distribuzione di SharePoint 2016.
Configurare la piattaforma e la sicurezza a livello di farm per la distribuzione di SharePoint 2016.
Gestire le informazioni e la tassonomia nelle applicazioni web di SharePoint e nelle raccolte siti.

PREREQUISITI

Gestione del software in un ambiente Windows Server 2012 o ambiente server R2 Enterprise di Windows Server 2012.
Distribuzione e gestione delle applicazioni in modo nativo, virtualmente, e nel cloud.
Amministrazione di IIS.
Configurazione di un dominio Active Directory per: autenticazione, autorizzazione e come store degli utenti.
Gestione di un'applicazione in remoto tramite Windows PowerShell 4.0.
Gestione dei database e dei ruoli server in SQL Server.
Collegamento di applicazioni a SQL Server.
Implementazione della sicurezza claims-based.
Utilizzo di macchine virtuali Microsoft Hyper-V.

CONTENUTI

Module 1: Introducing SharePoint 2016
Key components of a SharePoint deployment
New features in SharePoint 2016
SharePoint 2016 deployment options
After completing this module, students will be able to:
Identify the architecture and capabilities of SharePoint 2016.

Identify new and deprecated features in SharePoint 2016
Identify deployment options for SharePoint 2016.
Module 2: Designing an information architecture
Identifying business requirements
Understanding business requirements
Organizing information in SharePoint 2016
Planning for discoverability

Lab : Designing an information architecture - Part one
Identifying site columns and content types

Lab : Creating an information architecture - Part two
Designing a business taxonomy
After completing this module, students will be able to:
Explain how understanding business requirements drives the design of an organizational information architecture.
Describe the key components available in SharePoint 2016 to deploy an information architecture
Plan for discoverability as part of an information architecture deployment.
Module 3: Designing a logical architecture
Overview of the SharePoint 2016 logical architecture
Documenting your logical architecture

Lab : Designing a logical architecture
Planning a logical architecture
Producing a logical architecture diagram
After completing this module, students will be able to:
Map business requirements to SharePoint 2016 architecture components.
Explain the importance of documentation and describe the options for documenting the logical architecture

Module 4: Designing a physical architecture
Designing physical components for SharePoint deployments
Designing supporting components for SharePoint deployments
SharePoint farm topologies
Mapping a logical architecture design to a physical architecture design

Lab : Designing a physical architecture
Designing a physical architecture
Developing a physical architecture design diagram
After completing this module, students will be able to:
Describe the requirements for the physical components that are needed for a SharePoint 2016 deployment.
Describe the requirements for the supporting components that are needed for a successful SharePoint 2016 deployment
Identify SharePoint farm topologies.
Map a logical architecture design to a physical architecture design.

Module 5: Installing and configuring SharePoint 2016
Installing SharePoint 2016
Scripting installation and configuration of SharePoint
Configuring SharePoint 2016 farm settings

Lab : Deploying and configuring SharePoint 2016 – Part one
Provisioning a SharePoint 2016 farm

Lab : Deploying and configuring SharePoint 2016 – Part two

Configuring incoming email
Configuring outgoing email
Configuring integration with Office Online Server
After completing this module, students will be able to:
Install SharePoint 2016.
Deploy and configure SharePoint 2016
Script the installation and configuration of SharePoint 2016.
Configure SharePoint 2016 farm settings.

Module 6: Creating web applications and site collections
Creating web applications
Configuring web applications
Creating and configuring site collections

Lab : Creating and configuring web applications
Creating a web application
Configuring a web application

Lab : Creating and configuring site collections
Creating and configuring site collections
Creating a site collection in a new content database
Using Fast Site Collection Creation
After completing this module, students will be able to:
Create web applications.
Configure web applications.
Create and configure site collections.

Module 7: Planning and configuring service applications
Introduction to the service application architecture
Creating and configuring service applications

Lab : Planning and configuring service applications
Provisioning a Managed Metadata Service application with Central Administration
Provisioning a Managed Metadata Service application with Windows PowerShell
Configuring the Word Automation Services service application for document conversion
Configuring service application proxy groups
After completing this module, students will be able to:
Explain the key components and topologies for a SharePoint 2016 service application architecture.
Plan for service accounts and service application dependencies.
Understand the purpose of mapping service applications to business requirements.
Describe how to provision and manage SharePoint 2016 service applications
Module 8: Managing users and permissions, and securing content
Configuring authorization in SharePoint 2016
Managing access to content

Lab : Managing users and groups
Creating a web-application policy
Creating and managing SharePoint groups
Creating custom permission levels

Lab : Securing content in SharePoint sites
Managing permissions and inheritance
Managing site-collection security

Enabling anonymous access to a site
After completing this module, students will be able to:
Manage users and permissions in SharePoint 2016.
Manage access to content in SharePoint 2016

Module 9: Configuring authentication for SharePoint 2016
Overview of authentication
Configuring federated authentication
Configuring server-to-server authentication

Lab : Extend your SharePoint 2016 to support Secure Sockets Layer (SSL)
Configuring Microsoft SharePoint 2016 to use federated identities
Configuring Active Directory Federation Services (AD FS) to enable a web application a relying party
Configuring SharePoint to trust AD FS as an identity provider
Configuring a web application to use the AD FS identity provider
After completing this module, students will be able to:
Explain the authentication infrastructure of SharePoint 2016.
Configure claims providers and identity federation for SharePoint 2016.
Configure server-to-server authentication for SharePoint 2016.

Module 10: Securing a SharePoint 2016 deployment
Securing the platform
Configuring farm-level security

Lab : Securing a SharePoint 2016 deployment
Configuring SharePoint Server communication security
Hardening a SharePoint server farm
Configuring blocked file types
Configuring Web Part security
Implementing security auditing
After completing this module, students will be able to:
Secure a SharePoint 2016 deployment at the platform level.
Configure farm-level security settings for a SharePoint 2016 deployment.

Module 11: Managing taxonomy
Managing content types
Understanding managed metadata
Configuring the managed metadata service

Lab : Configuring content-type propagation
Creating content types for propagation
Publishing content types across site collections

Lab : Configuring and using the managed metadata service
Configuring the managed metadata service
Creating term sets and terms
Consuming term sets
After completing this module, students will be able to:
Create and manage content types and content-type propagation.
Explain how to implement managed metadata in SharePoint web applications and site collections.
Configure the managed metadata service application in SharePoint 2016.

Module 12: Configuring user profiles

Configuring the User Profile Service Application
Managing user profiles and audiences

Lab : Configuring user profiles
Configuring the User Profile Service Application
Configuring directory import and synchronization

Lab : Configuring My Sites and audiences
Configuring My Sites
Configuring audiences
After completing this module, students will be able to:
Configure the User Profile service application.
Manage user profiles and audiences.

Module 13: Configuring Enterprise Search
Understanding the Search Service Application architecture
Configuring Enterprise Search
Managing Enterprise Search

Lab : Configuring Enterprise Search
Configuring the Search Service Application
Configuring a file share content source
Configuring a local SharePoint content source
Creating a search center

Lab : Optimizing the search experience
Configuring a result source and a query rule
Customizing the search experience
Creating and deploying a thesaurus
Configuring entity extractors and refiners
Managing query spelling correction
After completing this module, students will be able to:
Describe the Search service architecture in SharePoint 2016.
Configure the Search service in SharePoint 2016.
Manage the search experience in SharePoint 2016.

Module 14: Monitoring and maintaining a SharePoint 2016 environment
Monitoring a SharePoint 2016 environment
Tuning and optimizing a SharePoint 2016 environment
Planning and configuring caching
Troubleshooting a SharePoint 2016 environment

Lab : Monitoring a SharePoint 2016 deployment
Configuring usage and health data collection
Configuring Sharepoint diagnostic logging
Configuring Health Analyzer rules
Reviewing usage and health data

Lab : Investigating page load times
Analyzing network traffic
Analyzing SharePoint page performance
After completing this module, students will be able to:
Develop and implement a monitoring plan for a SharePoint 2016 environment.

Tune and optimize a SharePoint 2016 server farm on an ongoing basis.
Plan and configure caching to improve the performance of a SharePoint 2016 deployment.
Troubleshoot errors and other issues in a SharePoint 2016 deployment

INFO

Materiale didattico: Materiale didattico in formato digitale
Costo materiale didattico: incluso nel prezzo del corso a Calendario
Natura del corso: Operativo (previsti lab su PC)