MERCURY

Planning and Administering SharePoint 2016

9 – 13 November 2026
London (UK)



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Planning and Administering SharePoint 2016

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Introduction:

This one-week course on planning and administering SharePoint 2016 will enhance your ability to plan and manage a Microsoft SharePoint 2016 infrastructure. Topics include administering SharePoint, deployment, management, troubleshooting, and optimizing your SharePoint setup. It is connected with the SharePoint 2016 IT Pro certification and is one of two essential courses for IT professionals.

This planning and administering SharePoint 2016 course is for IT professionals to deepen their knowledge and skills in deploying, managing, troubleshooting, and optimizing a SharePoint 2016 infrastructure. Participants will be exposed to best practices, strategic planning methodologies, and critical considerations for maintaining a Microsoft SharePoint 2016 environment. It is well-aligned with the SharePoint 2016 IT Pro certification path. It represents a crucial step towards gaining proficiency in administering SharePoint.

Mastering, configuring, and maintaining SharePoint 2016's search capabilities is a transformative step towards attaining Microsoft SharePoint 2016 training. This module equips participants with the knowledge to finesse the search experience, enhancing their journey toward a lucrative SharePoint 2016 certification.

Targeted Groups:

Upon completing this planning and administering SharePoint 2016 course, you will have developed the aptitude to organize and manage a Microsoft SharePoint 2016 environment. It includes hands-on lessons on deployment, management, and troubleshooting of your SharePoint infrastructure. It offers recommendations, best practices, and critical points essential for the effective administration of SharePoint 2016. It is designed to prepare students for the SharePoint 2016 IT Pro certification.

Course Objectives:

Participants in this planning and administering SharePoint 2016 course will be able to improve the following:

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- Create an information architecture for the implementation of SharePoint 2016.
- Develop a logical architecture before deploying SharePoint 2016.
- Design the physical infrastructure necessary for the deployment of SharePoint 2016.
- Perform SharePoint 2016 installation and configuration.
- Create and configure web applications and site collections.
- Plan and configure service applications for SharePoint 2016.
- Manage users, permissions, and content security within a SharePoint 2016 setup.
- Set up authentication mechanisms for SharePoint 2016.
- Enforce security at the platform and farm levels for a SharePoint 2016 deployment.
- Oversee information taxonomies in SharePoint web applications and site collections.
- Administer user profiles and audiences.
- Configure and manage the powerful search capabilities of SharePoint 2016.
- Continuously monitor, maintain, and troubleshoot a SharePoint 2016 environment.

Targeted Competencies:

Target competencies in this planning and administering SharePoint 2016 training will be able to:

- Understand SharePoint 2016 architecture and components
- Plan and design SharePoint 2016 infrastructure
- Configure and manage SharePoint farms and servers
- Implement high availability and disaster recovery solutions
- Manage site collections, sites, and content databases
- Configure service applications and features
- Secure SharePoint environment and manage permissions
- Monitor and optimize SharePoint performance
- Upgrade and patch SharePoint 2016

SharePoint Strategic Planning:

Strategically planning your SharePoint implementation ensures the system aligns with your organization's goals. Participants in this planning and administering SharePoint 2016 training will understand the business requirements, structure the SharePoint environment to meet these needs and utilize the SharePoint planning worksheet to outline the steps involved.

Course Outline

Unit 1: Introducing SharePoint 2016:

- Critical components of a SharePoint deployment.
- Discovering new features in SharePoint 2016.
- Exploration of SharePoint 2016 deployment options.

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Unit 2: Designing an information architecture:

- Identify and analyze business requirements.
- Organize information in SharePoint 2016 for optimal use.
- Strategic planning for content discoverability.

Unit 3: Designing a logical architecture:

- Overview of the SharePoint 2016 logical architecture.
- Documentation procedures for your logical architecture.

Unit 4: Designing a physical architecture:

- Design essential physical components for SharePoint deployments.
- Design support components for robust SharePoint deployments.
- Understand varying SharePoint farm topologies.
- Map a logical design into a physical architectural design.

Unit 5: Installing and configuring SharePoint 2016:

- Step-by-step guide on installing SharePoint 2016.
- Automate installation and configuration of SharePoint with scripts.
- Adjust SharePoint 2016 farm settings to meet organizational needs.

Unit 6: Creating web applications and site collections:

- Process of creating web applications.
- Configure web applications to suit various requirements.
- Create and configure vibrant site collections.

Unit 7: Planning and configuring service applications:

- A primer on the service application architecture.
- Procedures for creating and fine-tuning service applications.

Unit 8: Managing users and permissions and securing content:

- Strategies for configuring authorization in SharePoint 2016.
- Best practices for managing access to sensitive content.

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Unit 9: Configuring Authentication for SharePoint 2016:

- A comprehensive look at SharePoint authentication.
- Setting up federated authentication.
- Establish server-to-server authentication processes.

Unit 10: Securing a SharePoint 2016 Deployment:

- Ensure the security of the SharePoint platform.
- Implement farm-level security measures.

Unit 11: Managing Taxonomy:

- Effective management of content types.
- Insights into managed metadata.
- Employ the managed metadata service.

Unit 12: Configuring user profile:

- Configure the User Profile Service Application.
- Manage the synergy between user profiles and audiences.

Unit 13: Configuring Enterprise Search:

- Dive into the architecture of the Search Service Application.
- Configure advanced Enterprise Search capabilities.
- Maintain an efficient Enterprise Search system.

Unit 14: Monitoring and maintaining a SharePoint 2016 environment:

- Proactive monitoring of SharePoint 2016 for optimum performance.
- Practical tuning and optimization strategies for a SharePoint environment.
- Plan and configure caching mechanisms.
- Methodologies for troubleshooting familiar SharePoint 2016 issues.

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Conclusion:

In this SharePoint 2016 course, you will receive training that develops your technical skills and prepares you for certification in administering and planning SharePoint environments. It aims to extensively cover the intricacies of Microsoft SharePoint 2016, empowering IT professionals to achieve excellence in their roles.