BLACKBIRD FOR TRAINING

Comprehensive SharePoint 2019 Development and Administration Training

28 February – 11 March 2027
Online



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Introduction

This SharePoint 2019 Development Course is designed to equip IT professionals and aspiring SharePoint developers with the essential knowledge and skills to effectively deploy, configure, and administer SharePoint Server 2019. Through this course, participants will gain hands-on experience in managing SharePoint development services, mastering the SharePoint development process, and ensuring secure and efficient collaboration. Whether you're preparing for a SharePoint developer certification or looking to enhance your career in SharePoint development, this program offers a complete learning experience tailored to meet industry needs.

Course Objectives

By the end of this course, participants will:

- Understand the architecture and features of SharePoint Server 2019 and how they support enterprise collaboration.
- Plan, deploy, and manage SharePoint 2019 environments efficiently.
- Learn the roles and responsibilities of a SharePoint developer and apply them in practical scenarios.
- Configure and manage SharePoint sites, services, and applications to meet organizational needs.
- Utilize PowerShell and Central Administration to administer and optimize SharePoint environments.
- Master best practices for ensuring SharePoint security and compliance.
- Gain insight into the SharePoint 2019 lifecycle, analytics, and requirements for modern organizations.
- Troubleshoot and resolve common issues in SharePoint deployments.
- Integrate SharePoint 2019 development with other enterprise systems to enhance collaboration.

Course Outlines

Day 1: SharePoint Overview and Deployment

- Introduction to SharePoint 2019 and its role in modern enterprises.
- Understanding the SharePoint 2019 architecture and infrastructure.
- Planning and designing SharePoint environments to meet business requirements.
- Installing and configuring SharePoint Server 2019.
- Basics of SharePoint development: What is a SharePoint developer, and what do they do?



Day 2: Fundamentals of Site Management

- Creating and configuring site collections and subsites.
- Understanding site hierarchy and navigation.
- Managing site permissions and roles for secure collaboration.
- Implementing collaboration features and document libraries.
- SharePoint developer responsibilities: Ensuring efficient site setup and management.

Day 3: Advanced Document and Content Management

- Configuring enterprise content management ECM features.
- Managing records and compliance in SharePoint 2019 development.
- Implementing metadata and taxonomy for organized content storage.
- Using workflows to automate document management processes.
- Case Study: Designing a SharePoint development solution for document management.

Day 4: Service Applications and Integration

- Configuring and managing key service applications, including search and user profile services.
- Introduction to SharePoint 2019 analytics and how to interpret insights.
- Managing and scaling SharePoint development services for large enterprises.
- Integrating SharePoint with external systems using APIs and connectors.

Day 5: PowerShell and Administration

- Using Central Administration for SharePoint configuration.
- Mastering PowerShell for advanced SharePoint management tasks.
- Backup and restore procedures to ensure data integrity.
- Hands-on Lab: Automating administrative tasks using PowerShell scripts.

Day 6: Security and Compliance in SharePoint

- Configuring authentication and authorization for secure access.
- Managing permissions at the site, library, and item levels.
- Understanding compliance policies and their application in SharePoint.
- Implementing encryption and data loss prevention mechanisms.
- SharePoint developer roles and responsibilities in security and compliance.

Day 7: Modern SharePoint Development Framework SPFx

- Introduction to SPFx SharePoint Framework and its role in modern development.
- Creating custom SPFx web parts for enhanced site functionality.
- Working with the SharePoint Workbench for testing SPFx components.
- Deploying SPFx solutions in a SharePoint environment.
- Hands-On Lab: Developing and deploying a custom SPFx solution.



Day 8: Performance Optimization and Troubleshooting

- Monitoring SharePoint 2019 performance and identifying bottlenecks.
- Troubleshooting common SharePoint issues, including slow site performance and search errors.
- Implementing caching and content delivery networks CDNs for enhanced speed.
- Optimizing workflows and large document libraries.

Day 9: Integration with Microsoft Office and External Systems

- Integrating SharePoint with Microsoft Office tools like Word, Excel, and Teams.
- Using Power Automate Flow to create automated workflows.
- Setting up SharePoint development solutions with external applications like CRM systems.
- Practical exercise: Building an integrated solution for collaboration using SharePoint and Office.

Day 10: Real-World Applications and Certification Preparation

- Designing a complete SharePoint development project from start to finish.
- Applying SharePoint 2019 lifecycle principles for continuous improvement.
- Preparing for SharePoint developer certification with sample questions and mock exams.
- Final project presentations and peer feedback.

Why Attend this Course: Wins & Losses!

- Expertise in SharePoint Development: Gain a deep understanding of SharePoint 2019 development and the SharePoint development process.
- Career Advancement: Prepare for SharePoint developer openings and certifications to boost your professional prospects.
- Hands-On Experience: Apply your skills in real-world scenarios with practical labs and projects.
- Security Best Practices: Learn to secure SharePoint environments effectively.
- Comprehensive Knowledge: Covering everything from SharePoint developer roles and responsibilities to advanced SPFx development.

Conclusion

This SharePoint developer course is the ultimate training for professionals aspiring to excel in SharePoint 2019 development. From understanding what is a SharePoint developer to mastering advanced development techniques, this course offers everything needed for a successful career in SharePoint.

By completing this program, participants will be well-prepared for SharePoint developer certifications, ensuring they can confidently pursue SharePoint developer openings and deliver innovative SharePoint development services.

Join this course to elevate your career and become a certified SharePoint expert!

