

Developing Microsoft SharePoint Server 2013 Core Solutions, On Demand 20488

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Seminar



Zurzeit keine Termine



Teilnahmebescheinigung



E-Learning



40 Unterrichtseinheiten

Seminarnummer: 29434 | Herstellernummer: OD20488

Stand: 02.05.2024. Alle aktuellen Informationen finden Sie unter <https://akademie.tuv.com/s/29434>

In this course, students learn core skills that are common to almost all SharePoint development activities. These include working with the server-side and client-side object models, developing and deploying features, solutions, and apps, managing identity and permissions, querying and updating list data, managing taxonomy and customizing the user interface.

Nutzen

In dieser MOC on Demand Version ist eine original MOC Unterlage in digitaler Form enthalten.

After completing this course, students will be able to:

- Design and manage features and solutions.
- Develop code for custom server-side components.
- Manage and customize authentication and authorization.
- Create custom sites and lists and manage the site lifecycle.
- Explain the capabilities and design choices for SharePoint apps.
- Use the client-side object model and the REST API.
- Develop provider-hosted and auto-hosted SharePoint apps.
- Distribute and deploy SharePoint apps.
- Create custom workflows to automate business processes.
- Use fields and content types to manage taxonomy.
- Customize the appearance and behavior of user interface elements.
- Customize navigation and site branding.

Zielgruppe

This includes:

- Selecting an appropriate approach and building customizations in SharePoint.
- Creating and implementing a strategy for solution packaging, deployment, and upgrading.
- Identifying SharePoint data and content structures for customizations.
- Performing diagnostics and debugging.
- Planning and designing applications for scalability and performance.
- Identifying and mitigating performance issues of customizations.
- Understanding authentication and authorization.
- Experience with Windows PowerShell.
- Broad familiarity with SharePoint capabilities.
- Familiarity with Online Services such as Azure and SharePoint Online.

Voraussetzungen

Before attending this course, students must have:

- A working knowledge of using Visual Studio 2010 or Visual Studio 2012 to develop solutions.
- A basic working knowledge of SharePoint solution development, either in SharePoint 2013 or in earlier versions of SharePoint.
- A working knowledge of Visual C# and the .NET Framework 4.5.
- A basic understanding of ASP.NET and server-side web development technologies, including request/response and the page lifecycle.
- A basic understanding of AJAX and asynchronous programming techniques.
- A basic working knowledge of client-side web technologies including HTML, CSS, and JavaScript.
- Familiarity with approaches to authentication and authorization, including claims-based authentication.

Inhalte des Seminars

Module 1: SharePoint as a Developer Platform This module examines different approaches that can be used to develop applications with SharePoint Server 2013 the scenarios in which each approach might be appropriate.

Lessons

- Introducing the SharePoint Developer Landscape
- Choosing Approaches to SharePoint Development
- Understanding SharePoint 2013 Deployment and Execution Models

Lab : Comparing Web Parts and App Parts

Module 2: Working with SharePoint Objects This module introduces the server-side SharePoint object model and how the core classes relate to sites and collections. The server-side SharePoint object model provides a core set of classes that represent different items in the logical architecture of a SharePoint deployment. Students also learn how manage permissions for server-side code.

Lessons

- Understanding the SharePoint Object Hierarchy
- Working with Sites and Webs
- Working with Execution Contexts

Lab : Working with Sites and Webs Lab : Working with Execution Contexts

Module 3: Working with Lists and Libraries This module explains how to interact with lists and libraries. Students learn about how to work with lists and libraries programmatically using the server-side SharePoint object model and how to use query classes and LINQ to SharePoint to query and retrieve data from SharePoint lists. Student also learn how to efficiently work with lists that contain large numbers of items.

Lessons

- Querying and Retrieving List Data
- Working with Large Lists

Lab : Querying and Retrieving List Data Lab : Working with Large Lists

Module 4: Designing and Managing Features and Solutions This module examines creating and deploying custom Developing a SharePoint solutions and features. The students also learn how and when to use sandbox solutions.

Lessons

- Understanding Features and Solutions
- Configuring Features and Solutions
- Working with Sandboxed Solutions

Lab : Working with Features and Solutions

Module 5: Working with Server-Side Code This module describes how to develop and deploy Web Parts and event receivers in a solution.

Lessons

- Developing Web Parts
- Using Event Receivers
- Using Timer Jobs
- Storing Configuration Data

Lab : Working with Server-Side Code

Module 6: Managing Identity and Permissions This module describes how manage permissions through

code and customize authentication using custom claims providers.

Lessons

- Understanding Identity Management in SharePoint 2013
- Managing Permissions in SharePoint 2013
- Configuring Forms-Based Authentication
- Customizing the Authentication Experience

Lab : Managing Permissions Programmatically in SharePoint 2013 Lab : Creating and Deploying a Custom Claims Provider

Module 7: Introducing Apps for SharePoint This module introduces the SharePoint App, a new way to customize SharePoint functionality with SharePoint Server 2013.

Lessons

- Overview of Apps for SharePoint
- Developing Apps for SharePoint

Lab : Creating a Site Suggestions App

Module 8: Client-Side SharePoint Development This module describes how to use JavaScript Client Object Model (CSOM), managed code CSOM and the REST API to build SharePoint Apps.

Lessons

- Using the Client-Side Object Model for Managed Code
- Using the Client-Side Object Model for JavaScript
- Using the REST API with JavaScript

Lab : Using the Client-Side Object Model for Managed Code Lab : Using the REST API with JavaScript

Module 9: Developing Remote Hosted SharePoint Apps This module examines the difference between provider hosted Apps and Remote

Wichtige Hinweise

MOC On Demand Trainings sind original Microsoft Trainings, in denen Sie zeit- und ortsungebunden lernen können. Diese Trainings enthalten:

- Zugang zum offiziellen Microsoft Video on Demand Kurs für 90 Tage ab dem ersten Zugriff.
- Einen Lab-Online-Zugang für praktische Übungen, der ab Kauf 6 Monate gültig ist.
- Eine originale MOC Schulungsunterlage in digitaler Form, wie sie auch in den Live-Trainings eingesetzt wird.

Weitere Details entnehmen Sie unserer MOC On Demand Landingpage unter www.tuv.com/Microsoft

Terminübersicht und Buchung

Buchen Sie Ihren Wunschtermin jetzt direkt online unter <https://akademie.tuv.com/s/29434> und profitieren Sie von diesen Vorteilen:

- Schneller Buchungsvorgang
- Persönliches Kundenkonto
- Gleichzeitige Buchung für mehrere Teilnehmer:innen

Alternativ können Sie das Bestellformular verwenden, um via Fax oder E-Mail zu bestellen.