

Course : SharePoint 2016, Developer

in Visual Studio environment

Practical course - 4d - 28h00 - Ref. DOH

Price : 2790 CHF E.T.

Develop SharePoint/Office 365 solutions by making the best design choices. You'll learn about the different development techniques and possibilities available to developers.

Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Programming SharePoint elements and data
- ✓ Develop interfaces with users
- ✓ Developing Apps for SharePoint/Office 365
- ✓ Making the right development choices

Intended audience

SharePoint developers, SharePoint technical project managers.

Prerequisites

Experience in ASP.NET and C# development. Functional knowledge of SharePoint is required.

Practical details

Hands-on work

Alternating practice and theory

Teaching methods

Course including various practical demonstrations. Practical work based on company scenarios.

Course schedule

PARTICIPANTS

SharePoint developers, SharePoint technical project managers.

PREREQUISITES

Experience in ASP.NET and C# development. Functional knowledge of SharePoint is required.

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.

Participants also complete a placement test before and after the course to measure the skills they've developed.

1 Introduction to SharePoint 2016 development

- What's new in SharePoint 2016.
- Development infrastructure.
- Architecture and key elements for developers.

Hands-on work

Set up a development platform.

2 Server APIs

- Server object model.
- Server API principles, programming rules.
- Handling SharePoint objects.
- Good development practices, out-of-context and in-context.

Hands-on work

Creation of a site generator.

3 Customer APIs

- CSOM .NET, EcmaScript, REST/OData models.
- Develop WCF Web Services.
- Data queries using CAML/LINQ/REST, OData and comparisons.

Hands-on work

Develop a tool using CSOM .NET. Integrate a new WCF Web Service and call it from CSOM.NET.

4 User interfaces

- Development of pages and controls.
- Programming and context impersonalization.
- Programming the Dialog framework.
- Taxonomy and URL "friendly".

Hands-on work

Develop a form. Integrate a new graphic charter.

5 Battery Solution

- Features and choice of scope.
- Component design in CAML, Custom...
- Add items and deploy in SharePoint.

Hands-on work

Deployment of an event receiver and a new type of list field.

6 SharePoint Apps

- Key App functions.
- App types: SharePoint, Provider-Hosted.
- App development and cross-domain calls.
- Development of Provider-Hosted App.

Hands-on work

App development and deployment in SharePoint.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

7 Workflow development

- Workflow Manager, architecture.
- Workflow types and development rules.
- Use of Visio, SharePoint Designer, Visual Studio.

Hands-on work

Design a validation workflow with SharePoint Designer.

8 SharePoint Web Parts

- Simple, visual WebParts development.
- Development of connected WebParts and links.
- App Part development, selection criteria.

Hands-on work

Web Part development and deployment in SharePoint. App Part development and integration in SharePoint.