



MICROSOFT TRAINING

Advance Language Course Microsoft Power Pages

Master advanced language features in Microsoft Power Pages to build custom, dynamic web experiences and extend platform capabilities.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

The "Advance Language Course Microsoft Power Pages" is meticulously crafted for experienced Power Platform professionals and developers eager to transcend basic portal functionalities and create highly customized, sophisticated external-facing websites. This intensive 2-hour course delves deeply into the advanced linguistic capabilities and extensibility options inherent within Power Pages, equipping participants with the expertise to move beyond out-of-the-box configurations. You will gain profound mastery over the Liquid templating language, client-side scripting with JavaScript, and robust server-side integration techniques, enabling you to engineer truly unique and dynamic web experiences precisely tailored to intricate business requirements.

This intermediate-level course specifically targets the art of leveraging custom code to dramatically extend Power Pages capabilities. Participants will learn to manipulate data with advanced Liquid queries, implement complex interactive elements using JavaScript in conjunction with the Power Pages Web API, and seamlessly integrate with diverse systems to construct rich, data-driven portals. By the conclusion of this course, you will be exceptionally well-equipped to tackle the most complex customization challenges, significantly enhance user engagement, optimize portal performance, and ensure robust security, thereby becoming an invaluable asset in any Power Pages development project. This specialized expertise directly translates into the ability to deliver more powerful, feature-rich solutions that flawlessly connect with Dataverse and the expansive Microsoft ecosystem.

Duration	2 hours
Level	Intermediate
Vendor	Microsoft

COURSE CURRICULUM

- 01 Module 1: Advanced Liquid Templating & Data Manipulation**
 - In-depth Liquid Filters and Objects for Complex Scenarios
 - Advanced FetchXML for Precise Data Retrieval within Liquid Templates
 - Implementing Complex Conditional Logic and Iterative Loops for Dynamic Content Generation
 - Strategies for Creating and Managing Custom Liquid Templates and Web Templates
- 02 Module 2: Client-Side Scripting with JavaScript for Power Pages**
 - Leveraging jQuery for Advanced UI Enhancements and User Interactivity
 - Dynamically Manipulating DOM Elements and Customizing Form Behavior
 - Executing Calls to the Power Pages Web API from Client-Side JavaScript
 - Implementing Custom Validation Rules and Advanced Client-Side Business Logic
- 03 Module 3: Extending Functionality through Web API Integration**
 - Comprehensive Understanding of the Power Pages Web API (CRUD Operations)
 - Implementing Secure Authentication and Authorization for Web API Calls
 - Strategies for Integrating with External APIs and Third-Party Services
 - Best Practices for Secure and Efficient External API Consumption
- 04 Module 4: Custom UI/UX and Component Development**
 - Advanced CSS Overrides, Custom Theming, and Brand Consistency
 - Developing Custom Components using HTML, CSS, and JavaScript
 - Techniques for Embedding External Widgets and Controls

- Implementing Responsive Design Principles for Optimal Power Pages Experience

05 Module 5: Performance Optimization, Security & Deployment Strategies

- Optimizing Liquid Renderings, JavaScript Execution, and Image Loading for Performance
- Implementing Content Security Policy (CSP) for Enhanced Portal Security
- Advanced Troubleshooting and Debugging Techniques for Power Pages
- Robust Deployment Strategies and Environment Management Best Practices

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Power Pages Developer**
- > **Power Platform Solutions Architect (External Portals Focus)**
- > **Dynamics 365 Customer Engagement Portal Specialist**

FREQUENTLY ASKED QUESTIONS

Q: What are the prerequisite skills required to succeed in this Advanced Power Pages Language Course?

This course is meticulously designed for intermediate-level Power Platform professionals and developers. Participants should possess a solid foundational understanding of Microsoft Power Pages, including basic site setup, configuration of entity forms and lists, management of web roles, and an introductory grasp of fundamental web technologies like HTML, CSS, and JavaScript. While prior hands-on experience with Liquid templating is beneficial, it is not strictly mandatory, as the course will cover advanced Liquid concepts in depth.

Q: How will mastering advanced Power Pages customization skills impact my career as a Power Platform consultant?

As a Power Platform consultant, acquiring advanced Power Pages customization skills will significantly elevate your ability to design and implement highly sophisticated and precisely tailored external web portals that effectively meet complex client requirements. You will be empowered to extend functionality far beyond standard configurations, seamlessly integrate with diverse systems, proficiently resolve advanced technical challenges, and consistently deliver more comprehensive and valuable solutions, thereby substantially enhancing your marketability, project success rates, and overall client satisfaction.

Q: Will this course cover techniques for integrating Power Pages with external data sources or custom applications using APIs?

Yes, this course extensively covers critical integration techniques vital for extending Power Pages functionality. You will gain practical knowledge on how to effectively leverage the Power Pages Web API to perform Create, Read, Update, and Delete (CRUD) operations on Dataverse data directly from client-side JavaScript. Furthermore, the curriculum includes dedicated modules and practical exercises focused on integrating Power Pages with various external data sources and custom applications by securely consuming external APIs, enabling robust data exchange and significantly enhanced portal functionality.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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