



ADOBE TRAINING

Develop Websites And Components In Adobe Experience Manager

*Learn to develop dynamic websites and custom components within Adobe Experience Manager.
Master AEM for robust digital experiences.*

DURATION

Flexible

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This intermediate-level course dives deep into developing robust websites and dynamic components within the Adobe Experience Manager (AEM) platform. Participants will gain practical expertise in leveraging AEM's powerful content management capabilities, learning to craft engaging digital experiences that are both scalable and user-friendly. We'll explore the core technologies underpinning AEM, including the Apache Sling framework and Java Content Repository (JCR), equipping you with the foundational knowledge to build and customize digital assets effectively. The curriculum is designed to provide hands-on experience with AEM's development environment, focusing on modern best practices using HTML Template Language (HTL), Sling Models, and client-side libraries. You will learn to create reusable components, manage template structures, implement internationalization, and optimize your AEM projects for performance and maintainability. This course moves beyond theoretical concepts to provide actionable skills for real-world AEM development challenges. Upon completion, you will be proficient in developing and deploying custom websites and components within AEM, significantly enhancing your value to organizations utilizing this leading digital experience platform. This specialized skill set is crucial for IT professionals looking to advance their careers in the rapidly growing field of digital content management and web experience delivery, allowing you to contribute directly to creating sophisticated, personalized, and efficient digital solutions.

Level	Intermediate
Vendor	Adobe

COURSE CURRICULUM

01 Module 1: Introduction to AEM Architecture & Core Concepts

- Understanding the AEM Platform and its components (Author, Publish, Dispatcher)
- Introduction to Java Content Repository (JCR) and Sling Framework
- OSGi Services and Bundles in AEM
- AEM Development Environment Setup (Maven Archetype, IDE configuration)
- Understanding AEM Project Structure

02 Module 2: AEM Website Structure and Templates

- Creating and Managing Editable Templates
- Page Components and Structure
- Policies and Initial Content for Templates
- Client Libraries (ClientLibs) for CSS and JavaScript management
- Content Architecture Best Practices

03 Module 3: Developing Custom AEM Components

- Introduction to HTML Template Language (HTL/Sightly)
- Creating Component Structure and Dialogs
- Sling Models for Data Abstraction and Logic
- Component Development Lifecycle and Authoring Experience
- Inheritance and Reusability in Components

04 Module 4: Advanced Component Development & Integrations

- Working with AEM Services and APIs
- Developing OSGi Services for Business Logic
- Integrating with External Services and APIs (HTTP Client, REST)
- Handling User Input and Form Submissions

- Internationalization (i18n) for Components

05 Module 5: AEM Best Practices, Workflows & Deployment

- AEM Workflow Development and Customization
- Performance Optimization for AEM Websites and Components
- Security Considerations in AEM Development
- Debugging and Troubleshooting AEM Applications
- Introduction to AEM Deployment Strategies and CI/CD

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **AEM Front-end Developer**
- > **AEM Back-end Developer (Sling & OSGi)**
- > **Digital Experience Platform Engineer (AEM Focus)**

FREQUENTLY ASKED QUESTIONS

Q: What are the essential technical prerequisites I should possess before enrolling in this 'Develop Websites and Components in Adobe Experience Manager' course?

This intermediate course assumes you have a foundational understanding of web development concepts including HTML, CSS, and JavaScript. Familiarity with Java programming and Maven build tools is highly recommended, as AEM development heavily utilizes these technologies. While not strictly required, prior exposure to a content management system or object-oriented programming will also be beneficial.

Q: How does mastering AEM component development specifically prepare me for advanced roles in enterprise digital marketing or IT departments?

Proficiency in AEM component development positions you as a critical asset in organizations leveraging AEM for their digital presence. You'll be equipped to design and implement reusable, scalable content building blocks, enabling rapid content authoring and personalized user experiences. This skill set is highly sought after for roles such as AEM Developer, Digital Experience Architect, and Web Solutions Engineer, directly contributing to career progression in enterprise-level digital transformation initiatives.

Q: Beyond basic component creation, will this course cover techniques for building highly dynamic and integrated components within AEM, such as those that interact with external services or APIs?

Absolutely. While fundamental component creation is covered, this course delves into advanced techniques. You will learn how to develop components that leverage Sling Models to interact with external APIs, integrate with third-party services, and build dynamic front-end behaviors using client libraries and JavaScript frameworks. We also explore best practices for ensuring these integrated components are robust, secure, and maintainable within the AEM ecosystem.

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

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READY TO ENROL?

Take the next step in your technology career.

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