



ADOBE TRAINING

Extend And Customize Adobe Experience Manager

Learn to extend and customize Adobe Experience Manager (AEM). Master advanced AEM development for tailored 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, "Extend And Customize Adobe Experience Manager," is meticulously designed for experienced AEM developers seeking to elevate their skills beyond standard component creation. It delves deep into the core architectural components of Adobe Experience Manager, empowering participants to build highly customized, scalable, and integrated solutions that precisely meet unique business requirements. You will gain proficiency in leveraging underlying technologies such as OSGi, Apache Sling, JCR (Java Content Repository), and HTL (HTML Template Language) to create bespoke functionalities, integrate with external systems, and optimize existing AEM installations.

Upon completion, participants will possess the expertise to significantly enhance AEM's out-of-the-box capabilities. This includes developing custom OSGi services, extending workflows, building custom Sling models, implementing advanced security configurations, and optimizing performance. The course focuses on best practices for maintainable and upgrade-safe customizations, ensuring that your solutions are robust and future-proof. Mastering these advanced skills will position you as a critical resource capable of tackling complex AEM challenges and delivering sophisticated digital experiences.

Level	Intermediate
Vendor	Adobe

COURSE CURRICULUM

01 Module 1: Deep Dive into AEM Architecture and Foundation

- Revisiting OSGi Framework and Bundles
- Understanding Apache Sling Request Processing
- JCR (Java Content Repository) and Node Structures
- Introduction to Adobe Granite and Coral UI
- Maven Project Structure for AEM Customization

02 Module 2: Advanced Component and Template Customization

- Developing Custom HTL Components with Sightly
- Creating Custom Sling Models and Exporters
- Extending Core Components for Specialized Functionality
- Implementing Custom Page Templates and Editable Templates
- Dialog Customization and Validation

03 Module 3: OSGi Services and External Integrations

- Developing Custom OSGi Services and Declarative Services
- Consuming External APIs from AEM
- Creating Custom Servlets and Filters
- Event Handling in AEM
- Leveraging Apache HttpClient and OSGi Http Whiteboard

04 Module 4: Workflow Customization and User Management

- Developing Custom AEM Workflow Steps
- Extending Out-of-the-Box Workflows
- Implementing Custom Workflow Models and Launchers
- Programmatic User and Group Management
- Customizing Authentication and Authorization Providers

Module 5: Performance, Security, and Deployment Best Practices

- 05**
- AEM Dispatcher Configuration and Optimization
 - AEM Query Optimization with Oak Indexes
 - Implementing Advanced Security Features and Configurations
 - Managing Custom Configurations in AEM
 - Code Deployment Strategies and DevOps for Custom AEM

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Adobe Experience Manager Developer**
- > **AEM Solutions Architect**
- > **Digital Experience Platform Engineer**

FREQUENTLY ASKED QUESTIONS

Q: What are the recommended prerequisites for effectively undertaking this 'Extend And Customize Adobe Experience Manager' course?

To gain the most from this intermediate course, participants should have a solid foundation in AEM component development, including hands-on experience with basic AEM authoring, Sightly/HTL, and Java programming. Familiarity with Maven and command-line tools is also highly beneficial, as the course dives into advanced architectural concepts and programmatic extensions of the AEM platform.

Q: How will this course specifically enhance my ability to deliver bespoke Adobe Experience Manager solutions for complex client requirements?

This course moves beyond standard content management to empower you with the skills to architect and implement highly tailored AEM solutions. You will master creating custom OSGi services for specific business logic, extending AEM workflows to automate unique processes, integrating seamlessly with external systems, and developing advanced components that address highly specific user needs, thereby enabling you to build truly bespoke and robust digital experiences.

Q: What kind of advanced AEM projects or leadership roles will I be better prepared for after mastering the extension and customization techniques taught in this course?

Upon completion, you will be well-equipped for senior AEM Developer roles, AEM Technical Lead positions, or even AEM Solutions Architect roles. You'll be capable of leading complex AEM implementation projects, designing highly scalable and maintainable custom architectures, troubleshooting advanced platform issues, and acting as a subject matter expert in tailoring AEM to meet intricate enterprise demands, significantly boosting your value to any organization leveraging AEM.

ABOUT COMPUTER PRIDE

**computerpride****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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