



# Adobe Experience Manager

## Develop Websites and Components

**Course description:** Develop Websites and Components in Adobe Experience Manager is a 4-day, instructor-led course relevant for all deployment methods. This course begins with project creation through a Maven archetype and development with an IDE. Participants will learn the fundamentals of Sling content rendering, the JCR structure, as well as Adobe's templating language, HTL.

Throughout this course, participants will learn best practices for using Experience Manager sites components and how to style them with the ui.frontend module. Participants will also learn how to create editable templates and pages, design Core Components, use the Style System, and create custom components. This course also shows how to implement the Adobe Client Data Layer, which allows an Experience Manager site to send data to Adobe Launch or any other 3rd party service.

### This course replaces:

- Develop Websites and Components in Adobe Experience Manager v6
- Develop Websites and Components in Adobe Experience Manager Cloud Service

### Valid for these deployments:

- Cloud Service
- Managed Services
- On-Premise

### Prerequisites:

- A minimum of two years of experience in web development
- Create Web Experiences in AEM course or equivalent knowledge

**Target audience:** Front-end developers and application developers

### Objectives

After completing this course, you will be able to:

- Describe the key concepts of AEM site development
- Create and use a Maven project in an IDE
- Use HTL to render page
- Explain sites components
- Develop designs for components
- Create client-side libraries
- Extend core components using the core component delegation pattern
- Implement custom components
- Add Adobe Client Data Layer to any component
- Work with page templates

### Course Materials

- Student Workbook and lab files

### TOPICS

- Architecture
- Installation
- Developer tools
- Sites authoring basics
- Content rendering
  - › JCR nodes and properties
  - › Sling resolution process
- Introduction to HTL
- Sites components
  - › Page components
  - › Web Content Management (WCM) components
- Client-side libraries
  - › ui.frontend module
  - › Versioned clientlibs
  - › Page policies
- Extend Core Components
  - › Extension patterns
  - › Edit dialogs
  - › Content policy dialogs
- Custom components
  - › Style System
  - › Sling Models
  - › Dialog validation
  - › i18n content
  - › Adobe Client Data Layer
- Editable page templates
  - › Template types
- Cloud Manager basics

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Global (except EMEA): 877-722-7088 (phone) • 801-406-4566 (fax) • adls@adobe.com  
 EMEA: phone +44 (0)1784 476556, ext 256 • fax +44 (0) 1784 476501 • adlsemea@adobe.com  
[learning.adobe.com](https://learning.adobe.com)

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