Tridion Sites

rws

Course Title	Tridion Sites Developer DXA

Learning Objectives:

The course provides a technical introduction to developing Tridion Sites powered web sites using the Model View Controller (MVC) design pattern.

The course simulates a pre-built environment created through the open source Digital eXperience Accelerator (DXA) framework, delivering best-practice examples and methodology to accelerate time to market.

This hands-on course introduces a developer, or technical user, to the key advantages of developing with DXA. The course uses Visual Studio or Eclipse as the chosen IDE and assumes you are familiar with terminology and basic methodology associated with developing an MVC site.

During the course, all participants will build a new site from scratch by employing DXA methodologies that can be used in any implementation.

Target Audience:

Users who have never used Tridion Sites before and want to get started with the application to be productive as well as understand the main features of implementing Tridion Sites using DXA.

- Architects
- Developers

Prerequisites:

Attendance on the Tridion Sites Fundamentals course or equivalent experience. Basic understanding of Website management, as well as a Basic understanding of ASP.NET MVC and or Spring MVC.

Course Delivery Mode:

This course is available in the following delivery mode:

- Onsite, delivered over 2 days

Further Information:

For further information on any of our courses, please contact us at learn@rws.com.

Topics covered during the course

Day One

Introduction to DXA

- Define the Key points of DXA
- Digital Experience Accelerator features
- Digital Experience Accelerator Modules
- Digital Experience Accelerator Architecture

Introduction to MVC

- Discuss the main features of developing in ASP.Net MVC

CMS Configuration

- Managing Resources
  - Create/Manage Resources and snippets of content reused across a Web site.
- Managing Configuration
  - Create/Manage Configuration used across a Web site.

Relations between Tridion and MVC

- Schemas and Models
  - Mapping
  - vocabularies
- Templates and Views
  - Mapping
- Controllers
  - Default controllers
  - Custom controllers

Setting up a DXA Site Development Environment

- .NET DXA
  - Create a base DXA web application in Visual Studio
  - Add standard modules
  - Import the required packages from NuGet
  - Setup the web application for testing
- Java DXA

- Create a new DXA web application using Maven
- Build the web application, including standard modules

Creating your first View Model and View

- The student will have extended the core module by created custom functionality
  - Create a View model
  - Create a View

Day Two

Setting up a DXA Module Development Environment

- .NET DXA
  - Create a Class Library Project in Visual Studio
  - Import the required packages from NuGet
  - Setup the module to deploy to your site for testing
- Java DXA
  - Create a new DXA Training Area (Module)
  - Create a View Model and View

Add View Models and Views to a Module

- The student will have created custom functionality by creating a new Area (to separate your functionality from that of the Core)
  - Create a View model
  - Create a View.

Create Content Manager Items

- Create an Area Folder Structure in Content Manager
- Create Content Manager Items (so you can test your module)

Creating/Updating Page Layout

- Create/Update Page Layout used across a Web site.

Creating/Updating Region Layout

- Create/Update a Region Layout used across a Web site.

Making your Views XPM Enabled

- Modify their Story View so that Editors can perform inline editing on the Staging site.

Create a Controller

- Create and use a controller to add new logic to the Web site.

Managing Page Includes

- Create/Update Header Page Include reused across a Web site.
- Create/Update Footer Page include reused across a Web site.

Cache configuration

- Caching locations
- Caching strategies