Updated on 15/04/2024

Sign up

Strapi training

3 days (21 hours)

Presentation

An open-source, headless CMS that lets you create, manage and deploy APIs quickly and easily? That's what our Strapi training course will enable you to acquire by mastering this technology.

During this course, you'll learn about content creation, authorization management, user authentication and deployment on various platforms.

You'll also learn how to customize endpoints, integrate different plugins and optimize performance for a better user experience.

Develop your skills in API development, content management, security and deployment, all of which are essential in today's digital landscape.

This course will introduce you to the latest features of Strapi version 4.23.

Objectives

- Acquire advanced Back-End development skills
- Developing robust and secure REST APIs
- Master the basics of Strapi and its use in the Headless CMS ecosystem

Target audience

Developers.

PREREQUISITES

- Basic knowledge of web development
- Familiarity with frontend frameworks such as React, Vue.js or Angular (recommended)

OUR STRAPI TRAINING PROGRAM

INTRODUCTION

- Introducing Strapi and its position in the Headless CMS world
- Strapi benefits and use cases
- General architecture and key components
- Strapi community and resources
- Comparison with other Headless CMS solutions

QUICK TO LEARN

- Strapi installation and initial configuration
- Creating a first Strapi project and exploring the administration interface
- Quick start guide to building a simple API
- Best practices for everyday use

CONFIGURATION AND DEPLOYMENT

- Structuring a Strapi project and organizing files
- Configuration of development, test and production environments
- Managing dependencies and updating Strapi
- Deployment of the Strapi application on various platforms (Heroku, AWS, etc.).
- Securing and optimizing the instance

CONSTRUCTION AND MANAGEMENT OF API REST

- Basic principles of REST APIs and their integration into Strapi
- Creating and managing content types
- Configuring controllers, services and policies
- Managing relationships between data and content types
- Security and performance best practices for REST APIs

USING THE GRAPHQL API

- Introduction to GraphQL, comparison with REST
- Configuring the GraphQL API in Strapi
- Query construction and mutations with GraphQL
- Using types, interfaces and unions in GraphQL
- Securing and optimizing GraphQL queries

ADMINISTRATION PANEL CUSTOMIZATION

- Introduction to customizing the administration interface
- Modification of user interface components and addition of new functionalities
- Roles and permissions management for administration interface users
- Plugin creation to extend administration functionalities
- Strategies for maintaining customization through Strapi updates

CUSTOMIZED BACK-END DEVELOPMENT

- Extend business logic with customized controller functions
- Using hooks and events to integrate custom processes
- Configure providers for authentication, storage, payments, etc.
- Strategies for API versioning and migration management
- Integrating Strapi with other third-party systems and services

TYPESCRIPT WITH STRAPI

- Advantages of using TypeScript in Strapi projects
- Setting up the TypeScript environment for Strapi
- Strong typing of models, services and controllers
- Best practices for developing with TypeScript in Strapi
- Debugging and maintaining code with TypeScript

INTEGRATION AND STRAPI ECOSYSTEM

- Introducing the Strapi plug-in ecosystem
- Installing and configuring popular plugins
- Strapi integration with modern front-ends (React, Vue.js, etc.)
- Using the Entity Service API and Query Engine API for advanced use cases

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or internal security difficulties within the company (intra-company or virtual classroom) that might be encountered.

problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.