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Sign up

Astro training: a JS framework for high-performance websites

3 days (21 hours)

Presentation

Our Astro training course will give you the expertise you need to create fast, content-driven websites. You'll learn how to take advantage of Astro's unique features and simplicity to build modern, high-performance web sites and applications.

The course will familiarize you with Astro's fundamental concepts, such as its component-based architecture, server-first design principles and minimalist approach to JavaScript use. Our program will give you all the keys you need to deploy and customize a website.

This course will give you the theoretical and practical skills to understand Astro's capabilities, but also to apply them effectively in real-world scenarios.

Like all our training courses, it will be run on the latest version of Astro.

Objectives

- **Installing and configuring Astro**
- Creating and deploying a website
- Customize your website with Astro components

Target audience

- **Web designers**
- Front-End developers
- UI/UX designer

Prerequisites

- Experience in HTML/CSS and Javascript

Our Astro training program

Introduction

- Basic concepts
- Why Astro?
- Features
- Content-driven design
- Server-first
- SRI
- Respecting Core web Vitals

Installation and configuration

- Installation
- V3 to V4 migration
- Setup Wizard
- Templates
- Code VS and JetBrains

Create a blog with Astro

- Work environment configuration
- Creating pages and posts
- Components
- Query and local files
- Interactivity
- Deployment

Extensions

- Content collections
- YAML
- Automatic Typescript and security
- Display transitions
- Transition animations and APIs

Project structure

- CLI wizard
- Directories and files
- SRC/
- .JSON and javascript
- Configuration with Astro.config files

Components

- Component structure
- Components at the base of the structure
- Scripts
- Templates
- Accessories and component racks

Astro Syntax

- JavaScript type expressions
- Variables
- Dynamic attributes
- Dynamic HTML
- Tags

Add-ons

- UI framework integrations (Vue, React)
- Using UI components
- Make components interactive
- Mixing frameworks
- SSR rendering

Companies concerned

This 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 security difficulties within the company (intra-company or virtual classroom) which could be 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.