Course : Drupal, developer

preparation for Drupal developer certification (current version)
Practical course - 3d - 21h00 - Ref. UPD
Price : 1720 € E.T.

You'll use the Drupal CMS to accelerate your developments by leveraging its APIs (Entity API, Schema API...). Learn how to create modules capable of interacting with Drupal. You'll be able to adapt the way it works or its community modules without touching the source code.

🎯 Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Install and configure Drupal and its development environment
- ✓ Installing and creating modules
- ✓ Creating and managing blocks
- ✓ Creating and modifying forms
- ✓ Secure access to resources

Intended audience
Developers, project managers.

Prerequisites
Good knowledge of PHP object, HTML and CSS. Knowledge equivalent to that acquired in the course "Drupal, creating and administering a content management site" (ref. UPA).

Practical details
Hands-on work
Practical exercises on installing Drupal, creating, modifying and securing a module.

Course schedule

1 **Introduction**

- Introduction to Drupal (node, taxonomy...).
- Presentation and installation of development tools.
- Drupal installation.
- Developer tools: firebug, module "devel".
- Object concepts (classes, interfaces, dependency injection, PSR-4...).

Hands-on work
Installation of Drupal and WAMP or DDEV.

2 **Creating a module**

- Necessary files.
- File structures (autoloading).
- PSR-0 and PSR-4.
- Containers, services and dependency injection.

Hands-on work
Install and create modules.

3 **The routing system**

- Routing management.
- Match a URL to a page.
- Use of create() and __construct() methods.
- Create dynamic URLs.
- Add menu, contextual, action and tab links.

Hands-on work
Display a page with arguments.

4 **The block system**

- Block management with Drupal current version.
- Introduction to block types.
- How do I create a block with a plug-in block?

Hands-on work
set a block cache.

5 **The cache system**

- Drupal cache modules.
- Contexts, tags and max-age.
- Add cache metadata to a display.

Hands-on work
Set block cache.

6 **Users**

- What is a node? Create a "node module".
- Manipulate nodes programmatically.
- Intercept actions performed on users.
- Addition of tabs on each user page.

Hands-on work
Create an update history.

7 The forms

- Create forms programmatically (form API).
- Manage form validation and submission.
- AJAX forms.
- Change the layout of a form.
- Modify a Drupal form without touching its source code (hook_form_alter).

Hands-on work
Create a form.

8 Config API

- Configuration management: YAML files, import/export.
- Create a form in the Drupal back-office.
- Add your own configuration: the Config.
- Configuration translation.

Hands-on work
set up a configuration form.

9 Security

- Protect access to a block.
- Protect access to a page.
- Create your own access control system.

Hands-on work
Set up an access control system.

10 Template Twig

- Theming system.
- Template declaration.
- Pass variables to a template.

Hands-on work
Set up a new type of rendering using a template.

Options

Certification : 320 € HT

On completion of this course, you will be able to take the Trained People Developer Drupal Certification within one year. We advise you to take this certification 3 to 6 months after your training.

Dates and locations

REMOTE CLASS
2026 : 9 Mar., 3 June, 14 Oct.

PARIS LA DÉFENSE
2026 : 3 June, 14 Oct.