

Drupal Training Modules – 2015

Webikon.com

Phone: +40-722-369674

E-mail: contact@webikon.com

Web: <http://webikon.com>

About us

Webikon is a Romanian company focused in consulting, training, and web-applications development (mostly Drupal based). We deliver solutions based on integrated technologies that are molded by years of experience with business, educational and civil society clients.

Visit our website to find out more about our projects and work webikon.com.

Training Modules

The four training modules, presented below, meet the expectations of site administrators and module developers. The first two modules addresses an “entry level” target and the last two are designated to experienced developers and site builders. Training modules were built on Drupal versions 7 or 8, on customer request.

We can build custom trainings/workshops modules, based on client specific topic requests. In such situations we’ll develop appropriate offers.

Methodology

Our training modules are built as “learn by doing” sessions. The theoretical part takes no more than 30% of the training duration while the other 70% is allocated for “hands on” and practical activities.

Build a Drupal Site in Just One Day

M1

Duration: 8 hours (including lunch and coffee breaks)

Target: Site developers without Drupal experience. Wordpress, Joomla! or handmade HTML/CSS website users or administrators. Understanding Content Management Systems is helpful.

Goals: Participants will be able to build, configure and theme a medium website using Drupal.

Synopsis: This is a crash course helping participants to learn how to install, configure and build content websites using Drupal.

- Introduction to Drupal
- Install & Configure
- Building content
- Showing content, using Views
- Adding and customizing new content types
- Extending Drupal. Basic modules. Evaluating contrib modules
- Theming your site - the basics
- i18n: Multilingual Drupal

Language: English or Romanian

The Anatomy and Physiology of Drupal: The API and Custom Modules Building

M2

Duration: 8 hours (including lunch and coffee breaks)

Target: Developers able to build simple websites using Drupal (equivalent of attendees of M1 module). Basic to medium knowledge in PHP, MySQL, HTML, CSS, JavaScript.

Goals: Attendees will gain an intimate knowledge on the inner works of Drupal and will develop the strategic skills required to build a custom Drupal module that extends the Drupal API. During this module, the attendees will implement a Drupal project of an average complexity and will dive into the major APIs of Drupal.

Synopsis: This module explores the Drupal API by proposing a practical approach: a Drupal project is implemented and special requirements are met by the development a set of custom modules:

- Introduction
- Drupal architecture: libraries, hooks, core modules, theme layer
- Developer tools: Devel, Drupal API Reference, Coder
- The first Drupal module: basic hook fundamentals, Form API
- Introducing the Database Layer
- Introducing Entity API and Field API
- The permissions system
- Node access
- Javascript and Library API
- Theming: building customized themes with starter kits & jQuery UI

Language: English or Romanian

From Sites to Complex Web Applications

M3

Duration: 8 hours (including lunch and coffee breaks)

Target: Junior/middle skills on building Drupal websites (equivalent of attendees of M1 and M2 modules). Medium to high knowledge in PHP, MySQL, HTML, CSS, JavaScript.

Goals: Attendees will gain the skills to implement complex functionalities for web applications powered by Drupal.

Synopsis: Moving from sites to complex applications. This module will introduce facilities, modules, solutions and techniques that unleash and prove the real power of Drupal:

- High productivity modules: Ctools, Views, Panels, Rules, Organic Groups, Drush, Migrate.
- Deployment strategies: Features, Context, versioning systems.
- Semantic web: RDF in Drupal, importing/aggregating/processing data with FeedAPI.
- Web 2.0: jQuery, Ajax.
- Drupal distributions.
- “3rd party” technology integrations: Apache Solr, Social Media APIs, etc.
- Web Services. Drupal in the cloud.
- Drupal for multisite architecture.
- Automatic testing in Drupal. Unit testing, functional testing.

Language: English or Romanian

In the Wild: Administration, Performance and Scalability

M4

Duration: 8 hours (including lunch and coffee breaks)

Target: Drupal developers starting new projects or site builders and administrators facing the challenge of scaling websites on production.

Goals: Attendees will gain the skills needed to design and configure a Drupal environment, to integrate with 3rd party technologies in order to improve performance, and to build high traffic web applications.

Synopsis: Drupal is very flexible but might hit bottlenecks under high traffic and load. This module explores best practices in configuring, scaling and accelerating Drupal deployments.

- Drupal deployment environments — best practice, frequent mistakes.
- Scaling and performance
 - Drupal caching architecture;
 - Database scaling
 - Hi-end technologies: OpCode cache, Apache Solr, Memcache, Varnish, CDN, etc.
 - Frontend performance: delivering images, CSS, JavaScript.
- Security check list and best practices.
- Monitoring

Language: English or Romanian

Trainers

Claudiu Cristea

senior trainer



Claudiu has more than 8 years of experience working with Drupal. He participated to medium and large scale Drupal projects as a developer or as project manager. He is an active contributor to Drupal community, contributing to Drupal 8 codebase and being involved in the Romanian localization of Drupal. He maintains and contributes for a couple of modules including Multi-Step Registration, Views Send, Views PSPP, Safe HTML. Joining other Romanian Drupal enthusiasts, he founded the Romanian Drupal Association, and he is currently the president of this NGO. He is one of the initiators and organizers of some of the most important Drupal events in Romania, Drupalcamp Timișoara (2010), București (2011), Arad (2012), Târgu Mureș (2013), Cluj (2015). In 2011, he partners with Gabriel Dragomir and start Webikon SRL, a company specialized in Drupal consulting, training and development.

Gabriel Dragomir

senior trainer



Gabriel has started developing sites with Drupal 7 years ago. He worked as a consultant or developer for private companies and public institutions from Romania and USA. His experience spans from enterprise level solutions, to E-commerce and virtual learning applications. Gabriel is also providing consultancy in the area of eLearning and academic software development for several EU funded structural projects in the area of higher education in Romania, having as beneficiaries institutions like ARACIS — the Romanian Higher Education Quality Assurance Agency, and the National School of Political and Administrative Studies. He is currently managing partner at Webikon SRL, together with Claudiu Cristea. He is one of the founding members of Drupal Romania Association and one of the co-organizers of Drupalcamp Romania conferences. He actively supports the adoption of Drupal in the government/NGO/edu environments and organizes periodical Drupal training and presentation sessions.

Miscellaneous

- Each attendee should secure his own laptop machine.
- The training facilities should include WiFi access that should ensure proper, full time access for all attendees.

Webikon.com | 2015