

# Pro Drupal Development Learn How To Use The Content Management Framework Create Powerful Customized Web Sites John K Vandyk

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*Pro Drupal Development Learn How To Use The Content Management Framework Create Powerful Customized Web Sites John K Vandyk*

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### For Advanced Projects and Large Development Teams

Apress

Pro Drupal 7 Development updates the most popular development reference for the release of Drupal 7. With several new and completely-rewritten essential APIs and improvements in Drupal 7, this book will not only teach developers how to write modules ranging from simple to complex, but also how Drupal itself works. Learn the Drupal APIs and major changes in Drupal 7. Learn how to write Drupal modules using the APIs. Learn proper development practices and how to become a contributing community member.

[Programmer's Guide to Drupal](#) Apress

In Pro Drupal as an Enterprise Development Platform authors Jamie Kurtz and Thomas Besluau explain how developers can save themselves time and money, and build their applications faster with fewer bugs by using the Drupal CMS as a foundation for their projects. The days when custom client applications were built entirely from scratch are over. Today, it makes business sense to use a flexible, highly scalable framework such as Drupal, Joomla or DotNetNuke as a foundation. This book focuses on why Drupal makes a particularly strong choice for the majority of developers. With an unprecedented level of community support, tens of thousands of well-proven plug-ins and modules available for download, and advanced content management rules and configuration engines Drupal is flexible enough to provide a firm base upon which almost all enterprise application developers can build their own custom solutions. As this book will make clear, it is no longer necessary for developers to write complex applications entirely from scratch for each of their clients. Instead, they should begin by using an enterprise-class CMS like Drupal to provide a robust foundation for them so that they can concentrate their time and skills into solving the business-specific problems of each individual client maximizing the value that they add to each assignment. What you'll learn Understand how Drupal supports enterprise-grade application development. Follow a comprehensive walk-through of the common business continuity, regulatory and security concerns that come with using Drupal. See how to integrate Drupal into new or existing service-oriented architectures (SOA). Be inspired by the many and varied application build types that Drupal supports. Get a head-start on your competition! Who this book is for This book is targeted at enterprise software developers, architects, and managers looking

to increase productivity and reduce time to market on new services, applications, features, and bug fixes. Knowledge of PHP is not required. Table of Contents A New Era of Software Development The Drupal Content Management System Business Application Fundamentals Implementing Application Behaviors Securing Your Application Working with Content System Configuration User Experience Design REST Services with Drupal Software Development Best Practices with Drupal How to Sell and Implement Drupal in Your Enterprise [A Designer Friendly Guide to Drush, Git, and Other Tools](#) John Wiley & Sons

Pro Web Project Management is a collection of hard-won lessons the authors have learned managing modern web projects with small and medium budgets in a consulting environment. This isn't a book about project management theory. Pro Web Project Management tells how to create real deliverables, get answers from indecisive clients, manage wayward programmers, and use checklists to wow clients. This book is made up of real examples, real lessons, real documents, and real tips woven together into a step-by-step walkthrough of a project's life cycle. Pro Web Project Management is written for both the full-time project manager and the aspiring project manager who might have a role that blends client support, web development, and project management. The project budget sweet spot for this book is \$50,000 to \$500,000. If you manage a project in this space, reading this book will make you a better project manager. Learn how to manage a modern web project with a budget of \$50,000 to \$500,000 Get actionable tips on dealing with real project management challenges Learn the simple, defined process—refined over the years—to take simple and complex projects from proposal to successful launch [The Definitive Guide to Drupal 7](#) John Wiley & Sons Create and manage your own CMS-based website with DRUPAL 7 PRIMER: CREATING CMS-BASED WEBSITES: A GUIDE FOR BEGINNERS! Designed for users with no prior technical experience, this practical guide gives readers an introduction to creating traditional websites and then shows readers how CMS systems make it easier. Coverage includes free CMS tools, the pros and cons of free versus open sources, and topics related to the latest version of Drupal such as "one-click" installation and updating Drupal for security. With an easy-to-understand approach of what Drupal is and how it works, this text provides readers with everything they need to know to understand the most important functions of Drupal 7 and navigate the fast moving world of CMS.

[Drupal Multimedia](#) Apress

A practical tutorial for creating your first Drupal 6 modules with PHP.

### Drupal 6 Site Builder Solutions Apress

Take advantage of Drupal's vast collection of community-contributed modules and discover how they make this web framework unique and valuable. With this guide, you'll learn how to combine modules in interesting ways (with minimal code-wrangling) to develop several community-driven websites—including a job posting board, photo gallery, online store, product review database, and event calendar. The second edition focuses on Drupal 7, the latest version of this open source system. Each project spans an entire chapter, with step-by-step "recipes" to help you build out the precise functionality the site requires. With this book, developers new to Drupal will gain experience through a hands-on introduction, and experienced Drupal developers will learn real-world best practices. Learn Drupal's concepts and building blocks, and how everything works together Hit the ground running—build your first Drupal site hands-on Explore solutions that meet each project's requirements, and discover why specific modules were selected Understand the projects through case studies, including the client's needs and desires Learn how to configure modules with a bird's-eye view of how they work Discover new modules, including Drupal Commerce, Media, and Workbench

### Front End Drupal Packt Publishing Ltd

A project-based guide that will show you how to create 7 professional Drupal sites About This Book Create and design your own customized website effortlessly and efficiently This up-to-date guide on Drupal 8 will show you how you can leverage the latest Drupal 8 features This hands-on guide will turn you into a professional grade Drupal 8 developer through 7 unique and engaging web sites Who This Book Is For This book is ideal for web developers who are looking to create professional web applications using Drupal 8. You should have some previous experience with Drupal and must have a basic knowledge of web application development in general. If you are looking to create fluent professional websites that will take you to the next level, then this book is for you. What You Will Learn Find out how to use the Drupal 8 core functionality to build great websites Discover how to better manage content using custom blocks and views Display content in multiple ways, taking advantage of display modes Using the new TWIG theme engine for Drupal Easily manage and filter content Understanding best practices for building great Drupal sites Move beyond Drupal to build headless websites using RESTful services and JavaScript frameworks In Detail Drupal is an open source content management framework that can be used for developing websites and simplifying online management of content for users. This book is a must-have for web developers who are looking to create professional-grade websites using Drupal 8. While building 7 different Drupal websites, we will focus on implementing the out of the box features that come with Drupal 8 and see how we can make some complex sites with minimal custom code. Focusing completely on Drupal 8, this book will help you leverage the new Drupal 8 features such as creating a different types and layouts of content using configuration to build in core with its built-in web services facilities, and effortless authoring using the new CKEditor with an effortless and efficient industry standard approach. The book starts with getting started with the development environment of Drupal. Each chapter will start with a brief overview of the site to be built and the required features. Then, we will proceed to create customized modules and themes and integrate third-party plugins. Lastly, you will learn about "headless" Drupal that uses RESTful services that would help you to display content outside of Drupal By the end of the book, you will be able to implement the knowledge gained to build your own custom websites using Drupal 8. Style and approach This unique,

project-based resource on Drupal 8 website development will show you how to leverage Drupal 8's features to create customized, professional-grade applications efficiently and effectively.

### Pro Drupal Development Packt Publishing Ltd

Take your Drupal skills even further with valuable tricks for making site building truly efficient. In this concise guide—the third in a series by award-winning designer Dani Nordin—you'll learn how to set up your own development environment, quickly update your modules, and use version control to protect yourself from bonehead mistakes. Handle repetitive tasks with ease, avoid hours of frustration, and devote more time to pushing the envelope of Drupal design—just by picking up the basics of a few developer tools. It's much more than simple coding; it's real, honest-to-goodness developer Ninja Magick. Learn basic commands and use them in Drupal on the command line Set up your local development environment, and learn ways to collaborate on code with others Download modules, themes, libraries, and more with Drush, the Drupal shell Use Git, the free version control system, and create a GitHub account Pack content types, views, and other functionality you use often into a custom module with Features *Intermediate Projects for Solidity Developers* John Wiley & Sons Widely praised for its in-depth coverage of Drupal internals, bestselling Pro Drupal Development has been updated for Drupal 6 in this edition, and provides are even more tricks of the trade to help you further yourself as a professional Drupal developer. Assuming you already know how to install and bring a standard installation online, John K. VanDyk gives you everything else you need to customize your Drupal installation however you see fit. Pro Drupal Development, Second Edition delves deep into Drupal internals, showing you how to take full advantage of its powerful architecture.

### **Building Powerful and Robust Websites with Drupal 6**

Packt Publishing Ltd

Drupal 7 opens the door for you as a Windows developer to build Drupal sites—including custom modules—all without leaving Visual Studio! Pro Drupal 7 for Windows Developers gives you everything you need to know to achieve this, whilst drilling down into the advanced topics that you'll want to master whilst working with Drupal 7 as a Windows developer. Pro Drupal 7 for Windows Developers starts with the Drupal page model, which Windows programmers can contrast against the ASP.NET page model. You will then explore the various features of Drupal, including the hook model, theming, roles, and caching. You'll also discover the data abstraction layer which lays the foundation for integration with your enterprise-level databases and external systems. Pro Drupal 7 for Windows Developers focuses on the important topics for the programmer coming to Drupal: An up-to-speed introduction to Drupal for developers so that they can get past the initial learning curve most efficiently. Key introductions to the important features of Drupal, including the page model, the hook architecture, the theming layer, and custom module development. How to work with the Drupal 7 features you want to work with within the Windows development environment. Step-by-step tutorials on building, testing, and deploying custom modules for internal use or for sharing with the Drupal community. Pro Drupal 7 for Windows Developers provides a bridge to Drupal for you as a Windows developer—by speaking your language!

### Decoupled Drupal in Practice Packt Publishing Ltd

Widely praised for its in-depth coverage of Drupal internals, bestselling Pro Drupal Development has been updated for Drupal 6 in this edition, and provides are even more tricks of the trade to help you further yourself as a professional Drupal developer.

Assuming you already know how to install and bring a standard installation online, John K. VanDyk gives you everything else you need to customize your Drupal installation however you see fit. Pro Drupal Development, Second Edition delves deep into Drupal internals, showing you how to take full advantage of its powerful architecture.

#### Pro Drupal as an Enterprise Development Platform Muska/Lipman

In Pro Drupal as an Enterprise Development Platform authors Jamie Kurtz and Thomas Besluau explain how developers can save themselves time and money, and build their applications faster with fewer bugs by using the Drupal CMS as a foundation for their projects. The days when custom client applications were built entirely from scratch are over. Today, it makes business sense to use a flexible, highly scalable framework such as Drupal, Joomla or DotNetNuke as a foundation. This book focuses on why Drupal makes a particularly strong choice for the majority of developers. With an unprecedented level of community support, tens of thousands of well-proven plug-ins and modules available for download, and advanced content management rules and configuration engines Drupal is flexible enough to provide a firm base upon which almost all enterprise application developers can build their own custom solutions. As this book will make clear, it is no longer necessary for developers to write complex applications entirely from scratch for each of their clients. Instead, they should begin by using an enterprise-class CMS like Drupal to provide a robust foundation for them so that they can concentrate their time and skills into solving the business-specific problems of each individual client maximizing the value that they add to each assignment.

#### Create Your Own Drupal 7 Modules from Scratch "O'Reilly Media, Inc."

"For Drupal to succeed, we need books like this." -Dries Buytaert, Drupal founder and project lead "Drupal faces a common problem on the Web—the relative lack of new, high quality themes. Front End Drupal tackles this problem directly and is designed to help both experienced designers and rank novices get an understanding of how Drupal theming works. In fact, I'll be the first to admit I learned a lot from this book." - Dries Buytaert, Drupal founder and project lead The Practical, Complete Guide to Customizing Drupal Sites with Behaviors, Themes, and Templates Drupal is now the world's #1 open source content management system: Thousands of individuals and organizations are using it to build and update Web sites of virtually every kind. As Web designers and developers adopt Drupal, they need ways to quickly customize the visuals and interactivity of their sites. Drupal offers powerful tools for doing so, but little guidance on using them effectively. Front End Drupal is the solution. In this book, two expert Drupal developers cover everything you need to know to create great visual designs and state-of-the-art interactivity with Drupal's behaviors, themes, and templates. Front End Drupal is 100% focused on issues of site design, behavior, usability, and management. The authors show how to style Drupal sites, make the most of Drupal's powerful templating system, build sophisticated community sites, streamline site management, and build more portable, flexible themes. You'll also gain hands-on experience through several case studies that walk you through the customization of everything from page templates to Web site forums. Prepare and organize content so it's easier to integrate into Drupal Web sites Structure Drupal page templates that are easy to work with Configure Drupal with the modules and browser tools you need to customize your site Utilize Drupal's Starter Themes and themes converted from WordPress, Joomla!™, and Drupal 5.x Maximize the power and usability of Drupal's content editing forms Build usable community sites with user profiles, comments, and user-

generated content Use JavaScript™ to make your themes interactive and to enhance usability Create powerful animations and AJAX callbacks with jQuery, Drupal's JavaScript library About the Web Site The accompanying site, frontenddrupal.com, contains all sample code and themes presented in this book.

#### *Designing, Theming, Scripting* Apress

This book focuses on the nontechnical user who is responsible for building, maintaining, and managing Drupal web sites. The book covers why you should consider using Drupal when building a new web site, what Drupal is, installing and configuring Drupal, creating and managing content, managing users, adding functionality to your web site through Drupal modules, and more advanced topics on using themes, panels, and views. By reading this book, you will: Understand why you should use Drupal and the power of the platform. Quickly build confidence in your ability to use Drupal. Gain the knowledge necessary to build, deploy, and manage web sites of moderate complexity on Drupal 7.

#### *Drupal* Packt Publishing Ltd

Learn to create and customize impressive Drupal 8 modules to extend your website's functionalities About This Book Unleash the power of Drupal 8 programming by creating efficient modules and extensions Explore a plethora of Drupal 8 APIs and get the best out of them using the power of PHP coding Learn to implement efficient data management and data security by creating dedicated modules for it. Who This Book Is For The primary target of this book is Drupal developers who want to learn how to write modules and carry out development in Drupal 8. It is also intended for Drupal site builders and PHP developers who have basic Object Oriented Programming skills. A little bit of Symfony experience is helpful but not mandatory. What You Will Learn Write a Drupal 8 module with custom functionality and hook into various extension points Master numerous Drupal 8 sub-systems and APIs Model, store, and manipulate data in various ways and for various purposes Display data and content in a presentable and secure way Learn about the theme system and render arrays In Detail Drupal is an open source web-based content management system (CMS) that can be used for building anything from simple websites to complex applications. It enables individuals and organizations to build platforms that engage users and deliver the right content at the right time. Drupal 8 is an exciting new development in the Drupal community. However, the differences from the previous version are substantial and this can put quite some pressure on Drupal 7 developers that need to catch up. This book aims to help such developers in getting up to speed with Drupal 8 module development. The book first introduces you to the Drupal 8 architecture and its subsystems before diving into creating your first module with basic functionality. Building upon that, you will cover many core APIs and functionalities available to module developers. You will work with the Drupal logging and mailing systems, learn how to output data using the theme layer and work with menus and links programmatically. Then, you will learn how to work with different kinds of data storages, create custom entities, field types and leverage the Database API for lower level database queries. Moreover, you will learn about the Drupal 8 access system and caching layer as well as the APIs used for data processing (queues and batches). You will further see how to introduce javascript into your module, work with the various file systems and ensure the code you write works on multilingual sites. Finally, you will learn how to programmatically work with Views, write automated tests for your functionality and also write secure code in general. By the end of the book, you will have learned how to develop your own custom module from scratch that can help solve a small problem or even provide complex functionality. And who knows, maybe you'll even contribute it back to the Drupal

community. Style and approach This book aims to introduce PHP developers to programming concepts specific to Drupal 8 to get them started on writing their own functionality with Drupal 8 and create efficient Drupal 8 modules and extensions.

Creating CMS-based Websites : a Guide for Beginners Apress

This book takes a step-by-step approach to building a complete business website using Drupal and enhancing it to include modern technology used by cutting-edge companies. All instructions are written in such a way that they make sense to readers of any technical level. This book is for anyone who wants to learn how to set up a website quickly for their business using the super powerful Drupal open source content management software.

Pro Web Project Management Packt Publishing Ltd

A thorough introduction that lessens the learning curve to building sites with Drupal 7 Drupal 7 is the latest version of the free, open source content management system Drupal. A powerful content management system and framework Drupal has an unfortunate reputation of having a steep learning curve. This guide to Drupal 7 methodically demystifies Drupal and shortens the learning curve. Author Jacob Redding is deeply embedded in the Drupal community, and walks first-time Drupal developers through the installation and configuration of a Drupal system. In-depth information on key areas of Drupal explore the Drupal hook system, Drupal's theming layer, and Drupal's API. You'll also get sample code, and lessons that guide you through various aspects of Drupal. Introduces you to every aspect of Drupal 7 Demystifies key areas of Drupal and shortens the learning curve for even the most novice beginner Features lessons and sample code that offer extra insight into a Drupal web site Exploring simple single website installations and more advanced multiple site installations that share users and/or content. Addresses how to use Drupal's theming layer to your advantage. With this comprehensive and clear book by your side, you will quickly learn to leverage Drupal's impressive power.

Getting Your Site Done Right Apress

Accelerate your development process using Drupal 8 Views with this advanced, practical guide About This Book A practical, step-by-step guide with illustrative examples to give you a clear understanding of Drupal 8 views Get the only book on the market that talks about Drupal 8 views and their importance for developers Get an understanding of how views work and how they help to create modular applications Who This Book Is For This book is for web developers, web designers, and website administrators who use Drupal 8, have some basic knowledge of managing and developing apps with Drupal, and who want to get an advanced, practical knowledge of views and how to leverage them in Drupal 8 applications. What You Will Learn Create displays of content that are automatically updated when you add new content Show maps and rotating image carousels on your site Combine content to create composite displays using the same data in different ways Use fields from more than one content type to create powerful views of multi-table data Modify the field data being displayed, combining it in different ways or changing the HTML that might be normally generated Add headers and footers above and below a views display Make the output of your view look exactly like the designer specifies Change the order in which a list of content is displayed, limit the content shown to only certain content types or values Filter content using values passed to the view in the URL, making a single view work different ways In Detail Learn how to build complex displays of content—all without programming. Views were used on more than 80% of all Drupal 7 sites; now they are part of the Drupal 8 core. While most site builders and site owners are aware of views, they don't understand how to take

full advantage of their power to create many amazing pages and blocks. If they use views, they might build 10 different view displays with different filters, without knowing that a contextual filter would require only a single display. Using our sample company, we'll take its existing content and evolve an ever more complex and powerful website for that company, starting with adapting the administration the user sees and moving on to making complex pages of information for site visitors. While the book is written for Drupal 8, the similarities between Views in Drupal 7 and 8 make this a useful reference for Drupal 7 site builders also. Style and approach This is the only advanced resource that will show you how to create, customize, and manage views in the Drupal 8 development environment. This has become more important since Drupal 8 has made views part of its core architecture.

Pro Drupal 7 for Windows Developers "O'Reilly Media, Inc."

"Even if you're already a seasoned Drupal user of CCK, Views, or Panels, I've no doubt that this book will provide you with several new techniques and methods for getting the most out of these extremely essential modules. It certainly has for me." —Dries Buytaert, founder and project lead of Drupal, and CTO of Acquia With Drupal, Web professionals can create full-featured Web sites with just a few clicks. Drupal's core is compact and well documented, but much of Drupal's immense power lies elsewhere—in external modules. Drupal's Building Blocks is an authoritative tutorial, reference, and cookbook for Drupal's most valuable modules. The authors are Drupal insiders who've spent years creating and supporting these modules—Earl Miles, developer of the Views and Panels modules, and Lynette Miles, Drupal documentation team member. They've brought together indispensable information you won't find anywhere else, as well as extensive sample "recipe" code designed for easy adaptation and reuse. Learn how to Use Content Construction Kit (CCK) to customize your data input forms around your needs Improve site flexibility with Drupal's node system Add optional field types, including PHP-based fields Customize themes to display data more attractively and legibly Build powerful Views query displays Integrate with SQL databases Customize Views with relationships, arguments, and filters Optimize query performance Add custom styles with the Panels module Maintain full control over sites as you deploy into production This book will help you create more powerful, flexible, usable, and manageable Web sites—whether you're a Web developer, designer, administrator, architect, or consultant. The accompanying Web site contains all examples, code, and themes presented in this book.

Pro Drupal as an Enterprise Development Platform Apress

Harness the power of Drupal 8 to create enterprise-grade, highly scalable websites About This Book Build complete, complex websites with no prior knowledge of web development entirely using the intuitive Drupal user interface Ensure your sites are modern, responsive and mobile-friendly through utilizing the full features available in Drupal 8 Quickly master theme administration, custom block layouts, views, and the Twig template structure Who This Book Is For This course is suitable for web developers, designers, as well as web administrators who are keen on building modern, scalable websites using Drupal 8 and its wide range of new features What You Will Learn Set up a local "stack" development environment and install your first Drupal 8 site Find out what is available in the Drupal 8 core Integrate third-party front-end and back-end libraries with Drupal Understand the plugin system that powers many of Drupal 8's new APIs to extend its functionality Build custom block layouts with reusable and fieldable blocks Work with the new Twig PHP templating engine Develop a theme from scratch following a step-by-step project outline In Detail This Drupal 8 course takes

you through the journey of building, extending, and customizing websites to build highly scalable and enterprise-ready websites. The first part—Learning Drupal 8—takes you step by step through building a Drupal 8 website. You will start with the basics, such as setting up a local “stack” development environment and installing your first Drupal 8 site, then we move on to image and media handling and extending Drupal modules. This section will help you get to grips with the modular nature of Drupal, and you'll learn how to extend it by adding new functionalities to create your new modules. After learning to develop and manage a modern and responsive website using Drupal 8, you'll start exploring different techniques to take advantage of the new Drupal 8 features. The next module—Drupal 8 Development Cookbook—is your go-to guide to experimenting with all of Drupal 8's features through helpful recipes. You will explore techniques to customize and configure the Drupal environment, create blocks and custom modules, as well as make your web apps responsive by harnessing the mobile-first feature of Drupal 8. This module will also show you how to incorporate multilingual facilities in your sites, use web services and third-party plugins with your applications from inside Drupal 8, and test and deploy

your apps. In the third part—Drupal 8 Theming with Twig—you will master Drupal 8's new Twig templating engine to customize the look and feel of your website. This section will walk you through a real-world project to create a Twig theme from concept to completion while adopting best practices to implement CSS frameworks and JavaScript libraries. You will see just how quick and easy it is to create beautiful, responsive Drupal 8 websites while avoiding the common mistakes that many front-end developers make. By the end, you will have learned how to develop, manage, extend, and customize an enterprise-level website. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Learning Drupal 8 by Nick Abbott and Richard Jones Drupal 8 Development Cookbook by Matt Glaman Drupal 8 Theming with Twig by Chaz Chumley Style and approach This course offers a thorough coverage of developing, managing, extending, and designing highly scalable websites using the Drupal 8 platform. Filled with practical examples and recipes, this course is a great combination of example-driven learning complemented by interesting techniques to take advantage of the Drupal platform.