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How To Use The Content Management Framework  
Create Powerful Customized Web Sites John K  
Vandyk

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Are you a solo web designer or part of a small team itching to build interesting projects with Drupal? This hands-on book provides the tools and techniques to get you going. Award-winning designer Dani Nordin guides you through site planning, teaches you how to create solid, user-centered design for the Drupal framework, and shows you tricks for using real, honest-to-goodness, developer Ninja Magick. This book is a compilation of three short guides—Planning Drupal Projects, Design and Prototyping for Drupal, and Drupal Development Tricks for Designers—plus exclusive "director's material." If you're familiar with HTML and CSS, but struggling with Drupal's learning curve, this is the book you've been looking for. Get extra material, including an expanded Grids chapter, more recommended modules, and a Short Form Project plan. Learn how to work user-centered design practices into Drupal projects. Choose the right modules for your project, and discover several go-to modules. Use strategies for sketching, wireframing, and designing effective layouts. Manage Drupal's markup, including code generated by the powerful Views module. Learn how to work with Drupal on the command line. Set up your development environment and collaborate with

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other designers and developers Learn the basics of Git, the free open source version control system

The Definitive Guide to Drupal 7 is the most comprehensive book for getting sites done using the powerful and extensible Drupal content management system. Written by a panel of expert authors, the book covers every aspect of Drupal, from planning a successful project all the way up to making a living from designing Drupal sites and to contributing to the Drupal community yourself. With this book you will: Follow practical approaches to solving many online communication needs with Drupal with real examples. Learn how to keep learning about Drupal: administration, development, theming, design, and architecture. Go beyond the code to engage with the Drupal community as a contributing member and to do Drupal sustainably as a business. The Definitive Guide to Drupal 7 was written by the following team of expert Drupal authors: Benjamin Melançon, Jacine Luisi, Károly Négyesi, Greg Anderson, Bojhan Somers, Stéphane Corlosquet, Stefan Freudenberg, Michelle Lauer, Ed Carlevale, Florian Lorétan, Dani Nordin, Ryan Szrama, Susan Stewart, Jake Strawn, Brian Travis, Dan Hakimzadeh, Amye Scavarda, Albert Albala, Allie Micka, Robert Douglass, Robin Monks, Roy Scholten, Peter Wolanin, Kay VanValkenburgh, Greg Stout, Kasey Qynn Dolin, Mike Gifford, Claudina Sarahe, Sam Boyer, and Forest Mars, with contributions from George Cassie, Mike Ryan, Nathaniel Catchpole, and Dmitri Gaskin. For more information, check out the Drupaleasy podcast #63, in which author Benjamin Melançon discusses The

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Definitive Guide to Drupal 7 in great detail: <http://drupaleasy.com/podcast/2011/08/drupaleasy-podcast-63-epic>

This is a practical, hands-on guide packed with examples that will help you build rich Drupal 7 media web applications. If you are a Drupal site builder and you wish to spice up your web applications with rich media content, then this book is for you. A basic understanding of HTML, JavaScript, and basic PHP module development in Drupal would be helpful, but is not necessary.

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

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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

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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.

Pro Drupal 7 Development Apress

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

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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. "Drupal 7 is an amazingly powerful web content

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management system. But many newcomers find it confusing, and most Drupal books are just too complicated to help. If you want to spend less time struggling with complex instructions, and more time building sites that make you proud, this is the book for you! Top Drupal trainer Stephen Burge teaches everything you need to know--and nothing you don't need to know! You'll master Drupal one easy step at a time, through a complete, real-world sample project. You'll find crystal-clear visuals, simple explanations, perfect analogies--all extensively tested with real Drupal beginners. Drupal 7 Explained requires absolutely no experience with Drupal, content management, website construction, programming, scripting, or even HTML."-- 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

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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

Successfully architect a Drupal 8 website that scales to meet project requirements of any size and scope.

Starting with a one-chapter review of Drupal basics, you'll dive into deeper topics including software development processes, architecting a Drupal site, scaling Drupal, working effectively with themes, and more. In addition to a thorough discussion of custom module development and how to develop modules as building blocks, you'll also review many common ways of integrating Drupal with other 3rd party systems. Building and maintaining an enterprise-ready Drupal website presents a unique set of challenges and complexities.

From development processes and content management to deployments, version control and more, all aspects of Drupal development are impacted when two or more developers are on a project. If you are involved in a Drupal project that requires frequent updates and long-term support from a team of developers, system administrators, and end-users, Enterprise Drupal 8 Development is for you. Whether you're an experienced Drupal developer looking to expand your skills, a systems administrator managing a Drupal project, or a PHP developer new to Drupal, Enterprise Drupal 8 Development will give you the knowledge and inspiration you need to manage large and complex projects. What



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You'll Learn Architect Drupal for development teams and apply best practices for large Drupal projects Integrate 3rd party applications with Drupal Manage content, code, and configuration across multiple staging environments Build a consistent user experience for administrators and content creators Who This Book Is For The primary audience is intermediate to advanced Drupal developers who are working on large-scale Drupal projects and advanced PHP developers new to Drupal The secondary audience is IT Professionals such as Systems Administrators managing Drupal projects

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

Build powerful website features for your business and connect to your customers through blogs, product catalogs, newsletters, and maps

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

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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! Drupal is the premier open source content management system available. It is used for high profile sites such as TheOnion.com and has been deployed by organizations such as NASA. Utilizing Drupal, you can create your own personal blog, a community driven site like Slashdot, or any other content oriented web site you can imagine. Pro Drupal Development is a book geared to professionals that need to deploy and customize Drupal. This book deeply delves into the internals of the Drupal system and teaches the reader everything they will need to know to

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deploy a highly customized and optimized Drupal installation.

\* Content management, blogging, and online forums are among the most significant online trends today, and Drupal, phpBB, and WordPress are three of the most popular open source applications facilitating these tasks.

\* The authors have played active roles in project development and community support (Mike Little is actually a Wordpress project co-founder). \* Drupal, phpBB, and WordPress are based on the PHP language and MySQL database server, ensuring the widest possible audience.

This book is a best fit for backend developers with a basic knowledge of Drupal's APIs and some experience using the command line. Perhaps you already worked on one or two Drupal projects, but have never dived deep into Drush's toolset. In any case, this book will give you a lot of advice by covering real-world challenges in Drupal projects that can be solved using Drush.

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

Drupal 8 brought a release cycle that allows for new functionality to be added at a much faster pace. This extends into the new shiny Drupal 9 release. However, this also means code deprecations and changing architecture that you need to stay on top of. This book updates the previous editions and includes the new functionality introduced in ... 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

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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-

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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.

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

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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

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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.

Drupal 8 comes with a release cycle that allows for new functionality to be added at a much faster pace. However, this also means code deprecations and changing architecture that you need to stay on top of. This book updates the first edition and includes the new functionality introduced in versions up to, and including 8.7.

In just 24 sessions of one hour or less, learn how to build powerful, easy-to-maintain websites with Drupal—fast! Using this book's straightforward, step-by-step approach, you'll master every skill you'll need, from organizing sites and using Drupal's design themes to setting up search, polls, forums, and security. Each lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common Drupal tasks. Quizzes and Exercises at the end of each chapter help you test your knowledge. By the Way notes present interesting information related to the discussion. Did You Know? tips offer advice or show you easier ways to perform tasks. Watch Out! cautions alert you to possible problems and give you advice on how to avoid them. Jesse Feiler provides consulting services to small businesses and non-profits through his company, North Country Consulting ([northcountryconsulting.com](http://northcountryconsulting.com)). His recent books include FileMaker Pro 10 In Depth, The Bento Book, How to Do Everything with Web 2.0 Mashups, and iWork '09 For Dummies®. Register your book at [informit.com/register](http://informit.com/register) for convenient access to all sample project source code, as well as updates and corrections as they become available. Learn how to... Make the most of Drupal, whether you're building business, non-profit, or personal sites Download,

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install, and configure open source Drupal 6 and 7, and make sure it's working properly Plan and organize your sites so they are easy to manage—and friendly to both users and search engines Customize sites with Drupal's extensive library of optional open source modules Create barebone sites and home pages automatically Add text, images, links, and other essential site features Master Drupal's powerful Content Construction Kit (CCK) Incorporate new types of content, ranging from articles to e-commerce products Secure Drupal sites by managing users, permissions, roles, and user profiles Categorize and tag content, and implement full-text search Promote user involvement with polls, comments, forums, RSS feed aggregation, blogs, and newsletters Automate and simplify site management with Triggers, Actions, and Rules

“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-



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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](http://frontenddrupal.com), contains all sample code and themes presented in this book.

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

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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 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

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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 shortening 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.

If you're a solo website designer or part of a small team itching to build interesting projects with Drupal, this concise guide will get you started. Drupal's learning curve has thrown off many experienced designers, particularly the way it handles design challenges. This book shows you the lifecycle of a typical Drupal project, with emphasis on the early stages of site planning. Learn how to efficiently estimate and set up your own project, so you can focus on ways to make your vision a reality, rather than let project management details constantly distract you. Plan and estimate your project by discovering your client's goals and audience perceptions Discover how Drupal works under the hood, and learn basic DrupalSpeak Frame the UX design challenge through a deeper understanding of your site's intended users Get real

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content for your project as early as possible—before you start prototyping. Choose the right modules for your project, and learn about several go-to modules. Understand how to walk clients through the Drupal design and development process. This book takes a hands-on, practical approach to software development. The authors, all professional Drupal developers and contributors to the Drupal project, provide accessible coding samples designed to exhibit not only the technical merits and abilities of Drupal, but also proper architectural and stylistic approaches to coding on one of the world's most popular content management systems. Every chapter provides fully functional code samples illustrating the APIs and strategies discussed in the chapter. With this foundation, developers can quickly build sophisticated tools on their own by making use of the strategies and techniques exemplified in this book. If you are a PHP developer or a Drupal user looking to dive into Drupal development then you will find this book an excellent introduction to coding within Drupal. Those with some Drupal experience will also find this an invaluable tool for updating their knowledge about the powerful new features of Drupal 7. Theme developers looking to extend their abilities will find this an accessible introduction to PHP coding within the Drupal environment. This book assumes that you are familiar with basic PHP programming, along with HTML and CSS. No experience with programming Drupal is required, although it is also a handy way for experienced Drupal developers to get up to speed with Drupal 7.

If you're a web programmer, your experiences have taught you certain lessons—and only some of them apply well to Drupal. Drupal has its own set of programming principles that require a different approach, and many programmers make mistakes when relying on skills they've used for other projects. This book will show you which programming techniques you can use—and which you should avoid—when

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building web applications with this popular content management framework. Updated to cover both Drupal 7 and Drupal 8, the guidelines in this book demonstrate which programming practices conform to the "Drupal way" and which don't. The book also serves as an excellent guide for Drupal 7 programmers looking to make the transition to Drupal 8. Get an overview of Drupal, including Drupal core and add-on modules and themes Learn Drupal's basic programming principles, such as the ability to customize behavior and output with hooks Compare Drupal 7 and Drupal 8 programming methods, APIs, and concepts Discover common Drupal programming mistakes—and why hacking is one of them Explore specific areas where you can put your programming skills to work Learn about the new object-oriented Drupal 8 API, including plugins and services 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

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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

You will discover how to make your own segments, make your own styles, and generate your own filtration. You'll understand details of each key part of Drupal, such as customer control, classes, the node system, caching, and the various APIs available to you. Of course, your Drupal-powered website is ineffective until you can effectively provide webpages to your guests. As such, the writers have involved the details you need to improve your Drupal set up to work well under high-load circumstances. Also presented is details on Drupal protection and guidelines, as well as incorporation of Ajax and the internationalization of your Drupal website. Simply put, if you will work with Drupal at all, then you need this guide.. The guide represents that you already have the skills to set up and carry an ordinary set up online.

How to develop powerful mobile Web sites using popular content management systems (CMS) Mobile is the hottest thing going—and developing content for mobile devices and browsers is even hotter than that. This book is your guide to it all—how to design, build, and deploy sites, blogs and services that will work brilliantly for mobile users. You'll learn about the state-of-the-art of mobile web development, the tools available to use, and the best practices for creating compelling mobile user interfaces. Then, using the most popular content management systems, WordPress, Joomla!, and Drupal, you'll learn how to building world-class mobile web sites from existing platforms and content.. The book walks you through each platform, including how to use third-party plug-ins and themes, explains the strategies for writing your own logic, how to switch between mobile and desktop, and much more. Provides a technical review of the mobile

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landscape and acquaints you with a range of mobile devices and networks. Covers topics common to all platforms, including site topologies, switching between mobile and desktop, common user interface patterns, and more. Walks you through each content management platform—WordPress, Joomla!, and Drupal—first focusing on standard plug-ins and themes and then exploring advanced techniques for writing your own themes or logic. Explains the best practices for testing, deploying, and integrating a mobile web site. Also explores analytics, m-commerce, and SEO techniques for mobile. Get ahead of the the mobile web development curve with this professional and in-depth reference guide!

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. 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.

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Do you want to build web pages but have no prior experience? This friendly guide is the perfect place to start. You'll begin at square one, learning how the web and web pages work, and then steadily build from there. By the end of the book, you'll have the skills to create a simple site with multicolumn pages that adapt for mobile devices. Each chapter provides exercises to help you learn various techniques and short quizzes to make sure you understand key concepts. This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels. It is simple and clear enough for beginners, yet thorough enough to be a useful reference for experienced developers keeping their skills up to date. Build HTML pages with text, links, images, tables, and forms Use style sheets (CSS) for colors, backgrounds, formatting text, page layout, and even simple animation effects Learn how JavaScript works and why the language is so important in web design Create and optimize web images so they'll download as quickly as possible NEW! Use CSS Flexbox and Grid for sophisticated and flexible page layout NEW! Learn the ins and outs of Responsive Web Design to make web pages look great on all devices NEW! Become familiar with the command line, Git, and other tools in the modern web developer's toolkit NEW! Get to know the superpowers of SVG graphics

Over 60 hands-on recipes that get you acquainted



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with Drupal 8's features and help you harness its power

**About This Book-** Discover the enhanced content authoring experience that comes with Drupal 8 and how to customize it- Take advantage of the broadened multilingual and tools of the new version to provide an internationalized website- This step-by-step guide will show you how to deploy from development, staging, and production of a website with Drupal 8's brand new configuration management system

**Who This Book Is For** This book is for those have been working with Drupal, such as site builders, back-end developers, and front-end developers, and who are eager to see what awaits when they start using Drupal 8

**What You Will Learn-** Extend Drupal through contributed or custom modules and themes- Develop an internationalized website with Drupal's multilingual tools- Integrate third-party front-end and back-end libraries with Drupal- Turn Drupal into a web services provider using REST- Create a mobile-first responsive Drupal application- Run SimpleTest and PHPUnit to test Drupal- Understand the plugin system that powers many of Drupal 8's new APIs to extend its functionality- Get to grips with the mechanics of the configuration management system and the ability to import and export site configuration

**In Detail** Began as a message board, Drupal today is open source software maintained and developed by a community of over 1,000,000 users and developers. Drupal is

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used by numerous local businesses to global corporations and diverse organizations all across the globe. With Drupal 8's recent release and the exciting features it brings, this book will be your go-to guide to experimenting with all of these features through helpful recipes. We'll start by showing you how to customize and configure the Drupal environment as per your requirements, as well as how to install third-party libraries and then use them in the Drupal environment. Then we will move on to creating blocks and custom modules with the help of libraries. We will show you to use the latest mobile-first feature of Drupal 8, which will help you make your apps responsive across all the major platforms. This book 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. Style and approach This practical, recipe-based book will provide you with actionable techniques and methods to improve your existing Drupal development skills. It will get you started with Drupal 8 and will be your reference guide to building new applications with Drupal.

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

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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

Drupal 8 for Absolute Beginners is your definitive guide to starting from scratch with Drupal even if you have little web knowledge. This book teaches you the basics of HTML, CSS, JavaScript, and PHP in relation to Drupal, so that you can begin to use this popular CMS with all of its features. You will first learn how to set up and customize a basic blog using Drupal, one of the most powerful and popular content management systems available today. From there you will learn the basics of HTML, CSS, JavaScript and PHP, and apply this knowledge to create your own custom Drupal module. You will learn how to build, style, and add functionality to

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your own Drupal module from scratch. You will then use Drush to apply a theme to Drupal, customizing everything to your liking, before publishing your work to the world. The book also covers some more advanced topics that beginners often ask about, such as getting set up with Git and using source control, using MySQL to interact with a database, and a guide to getting up and running with Linux. Rarely has all the knowledge required to start with Drupal been collated in one place as it is in *Drupal 8 for Absolute Beginners*. You need no prior knowledge of the web, only a desire to learn. The book is fully supported by video material on the author's website. Start your Drupal journey with this book today!

Demystifying one of the most popular content management systems in use today, *Drupal Web Profiles* offers a complete introduction to the installation, configuration, and administration of Drupal versions 6 and 7. Filled with worked examples, step-by-step instructions, and hands-on projects, it provides readers with the tools to develop effective business web solutions using Drupal. The book supplies easy-to-follow instruction on the primary aspects of the Drupal framework—from basic installation, configuration, and administration to creating new functionality with custom modules and themes. Defining key Drupal terminology in a way that users and developers can easily understand,

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this project-based guide explains how to: Create an installation environment for Drupal as well as how to carry out the actual installation Build web applications using Drupal builds and profiles Add new content to a Drupal site and describe, classify, and organize content using the Taxonomy module Optimize Drupal performance with automatic throttling, bandwidth optimization, and page caching Customize Drupal themes and create, install, and debug modules The first five chapters describe how to install, configure, and administer a basic site using Drupal version 6 or 7. The next five chapters introduce Drupal profiles and explain how to get them set up and running. Supplying in-depth treatment of web analytics, including Google analytics, parsing Web logs, and node tagging, the book arms you with time-tested advice on how to monitor, analyze, and optimize the performance of your Drupal installation.

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