

Cgi Programming With Perl

Written by one of today's top-selling author's on programming languages, this practical, trailblazing guide to learning Perl offers all the advantages of a reference manual with a detailed, yet concise study on all of the language's key elements, and is not dependent upon either UNIX or Windows. Begins with a complete introduction to Perl: what it is, scripts vs. programs, its central characteristics, and more. Examines scalar types, expressions, and simple input and output; control statements; arrays; hashes and references; functions; pattern matching; files, input/output, and formats; CGI programming with Perl; and other advanced topics. Each chapter includes a summary and numerous exercises. For professionals in the computer science and related fields.

CD-ROM includes the source code for the book's programs, plus pre-packaged libraries of CGI programs.

Custom subroutine library for developing your own CGI programs * Line-by-line explanations of 20 of the most popular CGI programs and subroutines that are essential to your Web site * Compatible with Perl 4 and 5 * Tested under WindowsR(r), UNIXR(r), and MacOSR(r) If you want to make your Web site as interactive as possible, as soon as possible, you've come to the right place! This book/CD powerhouse arms you with 20 of today's most-demanded CGI programs and subroutines, designed and written especially for this book, each ready to load and use. At the same time, it offers you a quick, painless, and unique hands-on way to learn basic and advanced CGI/Perl programming. The CGI/Perl Cookbook begins with a concise overview of CGI programming for beginners, followed by a guide to installing CGI programs on

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UNIX, PC, and MacOS Web servers. The rest of the book is devoted to line-by-line, feature-by-feature explanations of seven cutting-edge CGI programs; including a search engine, password protection, advanced form processing, a shopping cart, customized bulk e-mail, advanced visitor feedback, and more; as well as 13 subroutines for e-mail support, file encoding, credit card validation, e-mail address checking, error handling, and text encryption. You also get a usage guide, installation instructions, and professional CGI and Perl programming tricks and customization tips for each program and subroutine. The CD-ROM is a gold mine of ready-to-use software and valuable information. You get: * All the CGI programs from the book-code and ready-to-run versions * The complete Matt's Script Archive * A collection of the best scripts from across the Web-source code included * The complete Perl programming manual * The most recent Windows, UNIX, and MacOS versions of Perl Explains how to use the programming language to write online applications with each chapter describing one specific Web-based application--diagramming the code and suggesting potential modifications.

A manual for Web programmers and administrators provides a basic introduction to CGI (Common Gateway Interface) techniques using the Perl programming language and includes information on searching, forms-handling, and other useful applications. Original. (Intermediate).

The Easiest Way To Learn Cgi Programming! Understand The Fundamentals Of Cgi And Perl Make Your Web Site An Interactive Showcase On The Internet Build Working Programs With Step-By-Step Guidance Learn To Add Image Maps And Forms To Web Pages Keep Track Of Traffic With Counters And Guestbooks Add Web Animation With Server Push And Client Pull

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Set Up EMail Feedback Forms And Database Queries Find Out How To Customize Existing Programs From Cgi Libraries Learn What You Can Do With ServerSide Includes Teach Yourself Cgi Programming With Perl In A Week Carefully Steps You Through All You Need To Learn To Create Living, Interactive Web Pages With The Common Gateway Interface (Cgi). You'll Learn The Fundamental Concepts Of Cgi, The Basics Of Design And Integration With HTML, And Enough Perl To Be Able To Create Your Own Cgi Programs-Even If You're Not Already An Experienced Programmer. By The Time You Finish This Book, You'll Have A Solid Understanding Of Cgi And Perl, And You'll Be Able To Fill Your Web Pages With Interactive Shopping Environments, Surveys, Mailing Lists, Order Forms, Database Queries, E-Mail Tools, Animation, Visitor Counters, And More. Dos/Windows/Unix Cd-Rom Includes All The Source Code For The Book's Programs, Plus Pre-Packaged Libraries Of Cgi Programs, Perl, And Other Cgi Development Tools Such As: Perl 4.0 Perl 5.0 Cgi-Lib.PI Library Cgi-C Library Dcns-Cgi Library Libwww-Perl Library Cgi.Pm Library Compression/Decompression Programs Example Scripts That Handle Forms, Registration, E-Mail, Guestbooks, Statistics, Random Number Generators, Random Image Displayers, Animation, And Much More!

The Common Gateway Interface (CGI) is one of the most powerful methods of providing dynamic content on the Web. CGI is a generic interface for calling external programs to crunch numbers, query databases, generate customized graphics, or perform any other server-side task. Based on the best-selling CGI Programming on the World Wide Web, this edition has been completely rewritten to demonstrate current techniques available with the CGI.pm module and the latest versions of Perl. Topics

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include incorporating JavaScript for form validation, controlling browser caching, making CGI scripts secure in Perl, working with databases, creating simple search engines, maintaining state between multiple sessions, generating graphics dynamically, and improving performance of CGI scripts.

Explains how to use JavaScript, Perl, and CGI to create interactive Web sites, discussing concepts including cookies, databases, and XML processing.

Explains how to use the computer language to write DBI-based programs while offering an overview of DBI architecture and a description of different database-independent packages.

Turn static Web pages into dynamic documents with CGI (Common Gateway interface) programming. You'll learn how to write programs in C and Perl to handle forms and generate images, movies, sound, and more on the fly. The CD-ROM offers an array of useful CGI programs in C and Perl, ready to plug in.

A perfect companion to Computer Science Illuminated or Concepts in Computing, as well as an excellent primer, Perl: The Programming Language offers a clear introduction to this practical language. Perl has been known to be the all-purpose tool in programming and system administration. This overview describes the fundamentals of this efficient open-source programming system. Beginning programmers will be relieved this dynamic language is not only easy to learn but easy to implement as well.

This concise presentation of the key elements of Perl CGI is perfect for programmers

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who are under the gun. The book includes the basics of where to write scripts; how to upload them and set file permissions; how to run them, and how to decode form data and save it to a file.

Explains how to use CGI to provide information servers on the Web and includes coverage of Perl Version 5, CGI.pm, CGI_lite, FastCGI, and mod_perl.

This new book by the world's leading programming language textbook authors carefully explains how to use Perl as a general-purpose programming language and how to program multi-tier, client/server, database-intensive, Internet-and-Web-based applications. Dr. Harvey M. Deitel and Paul J. Deitel are the principals of Deitel & Associates, Inc., the internationally recognized corporate training and content-creation organization specializing in C++, Java(TM), C#, C, Visual Basic(R), XML(TM), Python, Perl, Internet, World Wide Web and object technologies. The Deitels are also the authors of the world's #1 Java and C++ textbooks, "Java How to Program, 3/e" and "C++ How to Program, 3/e." In "Perl How to Program," the Deitels and their colleagues, Tem R. Nieto and David C. McPhie, discuss topics you need to build complete, Web-based applications including: CGI/HTML forms/XML/CGI.pm Control Structures/Arrays/Hashes Regular Expressions/Strings Objects/Encapsulation OOP/Inheritance/References Database/DBI/SQL/Signals/Contexts Security/Accessibility Typeglobs/File

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Globbing Networking/Sockts/Internet Protocols Cookies/Session Tracking
Filehandles/Data Structures Process Control/Forking/Piping
Subroutines/Modules/Packages/Overloading Web Automation/OLE Automation
Server-Side Includes/Ties/Closures Graphics/GUI/Perl/TK "Perl How to Program"
includes extensive pedagogic features: " Hundreds of LIVE-CODE(TM) programs
with screen captures that show exact outputs Extensive World Wide Web and
Internet resources to encourage further research Hundreds of tips, recommended
practices and cautions--all marked with icons

A high level introduction to Web CGI program, this "Developer's Resource" takes
a detailed look at the process of customer requirements gathering, analysis, and
design. This is the first CGI book to present a thorough methodology from
requirements analysis, to design, and on through testing and implementation for
developing enterprise-wide CGI apps. The CD-ROM contains a repository of
valuable source code, Tcl, Perl, and a library of useful programming tools.

Presents the key elements of Perl CGI, covering Perl variables, CGI environment
variables, form processing, data file I/O, searching/sorting, SSIs, random number
generation, HTTP cookies, and database programming.

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Custom subroutine library for developing your own CGI programs Line-by-line

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explanations of 20 of the most popular CGI programs and subroutines that are essential to your Web site Compatible with Perl 4 and 5 Tested under WindowsR(r), UNIXR(r), and MacOSR(r) If you want to make your Web site as interactive as possible, as soon as possible, you've come to the right place! This book/CD powerhouse arms you with 20 of today's most-demanded CGI programs and subroutines, designed and written especially for this book, each ready to load and use. At the same time, it offers you a quick, painless, and unique hands-on way to learn basic and advanced CGI/Perl programming. The CGI/Perl Cookbook begins with a concise overview of CGI programming for beginners, followed by a guide to installing CGI programs on UNIX, PC, and MacOS Web servers. The rest of the book is devoted to line-by-line, feature-by-feature explanations of seven cutting-edge CGI programs; including a search engine, password protection, advanced form processing, a shopping cart, customized bulk e-mail, advanced visitor feedback, and more; as well as 13 subroutines for e-mail support, file encoding, credit card validation, e-mail address checking, error handling, and text encryption. You also get a usage guide, installation instructions, and professional CGI and Perl programming tricks and customization tips for each program and subroutine. The CD-ROM is a gold mine of ready-to-use software and valuable information. You get: All the CGI programs

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from the book— code and ready-to-run versions The complete Matt's Script Archive A collection of the best scripts from across the Web— source code included The complete Perlprogramming manual The most recent Windows, UNIX, and MacOS versions of Perl

The book has an introductory chapter that gets the reader started quickly with programming in Perl. The initial part of the book discusses Perl expressions, statements, control flow, built-in data types such as arrays and hashes, and complex data structures built using references. On Perl has several chapters covering specialized topics. The chapter on socket-based network programming deals with forking and using fork to write complex interactive client-server programs. There is a chapter with in-depth discussion of CGI programming including error-handling and security issues that arise. The chapter on web-client programming deals with writing programs that access Web pages, fill up GET and POST forms, handle cookies and redirected Web pages. The book has several unique chapters not found in any other book on Perl in the market. The chapter on security discusses hashes such as MD5, message authentication codes (MACs), digital signature schemes, and encryption techniques such as DES, Rijndael, and RSA. Other chapters deal with writing recursive programs that work with files and directories; this chapter also discusses predefined modules that deal with portability in file names and paths across operating systems, recursive traversal of file hierarchies and tarring and untarring of files. The chapter on

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functional programming illustrates that Perl functions are first-class, can be used to write closures and can be composed to form more complex functions. In particular, this can be useful for programming in artificial intelligence.

Covers advanced features of Perl, how the Perl interpreter works, and presents areas of modern computing technology such as networking, user interfaces, persistence, and code generation.

A guide to the Web programming technology covers implementation in C and Perl, customizing existing programs, and writing CGI scripts for survey forms, interactive games, order forms, search tools, and guest books.

This book will get the reader started in programming quickly and explains all the commonly used aspects of Perl. It is non-version specific. Starting with Perl Tools & Environment , this book introduces the world of CGI & Perl. It shows how to download and install the free Perl interpreter that is needed to run Perl scripts. The benefits and features of a purpose-built Perl editor are demonstrated, and there is a guide to download and install the free Xitami web server to create a local CGI Intranet environment.

Forty articles from the first five years of "The Perl Journal" discuss web site development, techniques for creating graphics, and using the Perl/TK toolkit for graphical applications.

Teach Yourself CGI Programming in a Week, Third Edition follows the same format and

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uses the same learning tools as other books in the Sams Teach Yourself Series. This new edition covers implementing CGI with C and Active Server Page technology, in addition to Perl. Also covered are Windows CGI programming and how to use CGI to interact with Java, VBScript, and JavaScript. The book takes the reader from the basics of CGI learning, for example, how to implement and customize existing CGI programs that have been written by others to the point where he can use CGI to create his own programs from scratch. The book will also provide numerous real-life examples of CGI scripts database search tools, survey forms, interactive games, order forms, guest books, and more. The final sections of the book will cover advanced CGI programming debugging techniques, solutions for common CGI problems, etc. CGI is the next step beyond simple HTML, allowing users to add forms and other types of interactivity to Web pages Updated and revised to cover Active Server Pages, Perl 5, C, Windows CGI, JavaScript, VBScript, AppleScript, and new CGI development tools Learn how to add interactivity and programs to Web pages with CGI

Among the many different approaches to "templating" with Perl--such as Embperl, Mason, HTML::Template, and hundreds of other lesser known systems--the Template Toolkit is widely recognized as one of the most versatile. Like other templating systems, the Template Toolkit allows programmers to embed Perl code and custom macros into HTML documents in order to create customized documents on the fly. But unlike the others, the Template Toolkit is as facile at producing HTML as it is at producing XML,

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PDF, or any other output format. And because it has its own simple templating language, templates can be written and edited by people who don't know Perl. In short, the Template Toolkit combines the best features of its competitors, with ease-of-use and flexibility, resulting in a technology that's fast, powerful and extensible, and ideally suited to the production and maintenance of web content and other dynamic document systems. In Perl Template Toolkit you'll find detailed coverage of this increasingly popular technology. Written by core members of the technology's development team, the book guides you through the entire process of installing, configuring, using, and extending the Template Toolkit. It begins with a fast-paced but thorough tutorial on building web content with the Template Toolkit, and then walks you through generating and using data files, particularly with XML. It also provides detailed information on the Template Toolkit's modules, libraries, and tools in addition to a complete reference manual. Topics in the book include: Getting started with the template toolkit The Template language Template directives Filters Plugins Extending the Template Toolkit Accessing databases XML Advanced static web page techniques Dynamic web content and web applications The only book to cover this important tool, Perl Template Toolkit is essential reading for any Perl programmer who wants to create dynamic web content that is remarkably easy to maintain. This book is your surefire guide to implementing this fast, flexible, and powerful templating system.

CGI Programming with Perl"O'Reilly Media, Inc."

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Experienced HTML authors, Webmaster, and Intranet programmers will find this book one of the fastest ways to learn CGI programming. Topics include catalog, search engine, order forms, database referencing, and user feedback scripts. Real world examples emphasize creating forms and user-driven, interactive Web sites.

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