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# Apache 2 Pocket Reference For Apache Programmers Administrators

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CGI Programming with Perl  
 Python and XML  
 Building Big Data Pipelines with Apache Beam  
 Apache 2 Pocket Reference  
 Getting Started with Kudu  
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## SHERLYN AMINA

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

Learn how to use, deploy, and maintain Apache Spark with this comprehensive guide, written by the creators of the open-source cluster-computing framework. With an emphasis on improvements and new features in Spark 2.0, authors Bill Chambers and Matei Zaharia break down Spark topics into distinct sections, each with unique goals. You'll explore the basic operations and common functions of Spark's structured APIs, as well as Structured Streaming, a new high-level API for building end-to-end streaming applications. Developers and system administrators will learn the fundamentals of monitoring, tuning, and debugging Spark, and explore machine learning techniques and scenarios for employing MLlib, Spark's scalable machine-learning library. Get a gentle overview of big data and Spark Learn about DataFrames, SQL, and Datasets Spark's

core APIs through worked examples Dive into Spark's low-level APIs, RDDs, and execution of SQL and DataFrames Understand how Spark runs on a cluster Debug, monitor, and tune Spark clusters and applications Learn the power of Structured Streaming, Spark's stream-processing engine Learn how you can apply MLlib to a variety of problems, including classification or recommendation

### Python and XML "O'Reilly Media, Inc."

Jakarta Tomcat is not only the most commonly used open source servlet engine today, it's become the de facto standard by which other servlet engines are measured. Powerful and flexible, it can be used as a stand-alone web server or in conjunction with another server, like Apache or IIS, to run servlets or JSPs. But mastery of Tomcat is not easy: because it's as complex as it is complete. Tomcat: The Definitive Guide answers vexing questions that users, administrators, and developers alike have been asking. This concise guide provides much needed information to help harness Tomcat's power and wealth of features. Tomcat: The

Definitive Guide offers something for everyone who uses Tomcat. System and network administrators will find detailed instructions on installation, configuration, and maintenance. For users, it supplies insightful information on how to deploy Tomcat. And seasoned enterprise Java developers will have a complete reference to setting up, running, and using this powerful software. The book begins with an introduction to the Tomcat server and includes an overview of the three types of server configurations: stand-alone, in-process, and out-of-process. The authors show how directories are laid out, cover the initial setup, and describe how to set the environment variables and modify the configuration files, concluding with common errors, problems, and solutions. In subsequent chapters, they cover: The server.xml configuration file Java Security manager Authentication schemes and Tomcat users The Secure Socket Layer (SSL) Tomcat JDBC Realms Installing servlets and Java Server Pages Integrating Tomcat with Apache Advanced Tomcat configuration and much more. Tomcat: The Definitive Guide covers all major platforms, including Windows, Solaris, Linux, and Mac OS X, contains details on Tomcat configuration files, and has a quick-start guide to get developers up and running with Java servlets and JavaServer Pages. If you've struggled with this powerful yet demanding technology in the past, this book will provide the answers you need.

**Building Big Data Pipelines with Apache Beam** "O'Reilly Media, Inc."

Programming on the Web today can involve any of several technologies, but the Common Gateway Interface (CGI) has held its ground as the most mature method--and one of the most powerful ones--of providing dynamic web content. CGI is a generic interface for calling external programs to crunch numbers, query databases, generate customized graphics, or perform any other server-side task. There was a time when CGI was the only game in town for server-side programming; today, although we have ASP, PHP, Java servlets, and ColdFusion (among others), CGI continues to be the most ubiquitous server-side technology on the Web. CGI programs can be written in any programming language, but Perl is by far the most popular language for CGI. Initially developed over a decade ago for text processing, Perl has evolved into a powerful object-oriented language, while retaining its simplicity of use. CGI programmers appreciate Perl's text manipulation features and its CGI.pm module, which gives a well-integrated object-oriented interface to practically all CGI-related tasks. While other languages might be more elegant or more efficient, Perl is still considered the primary language for CGI. CGI Programming with Perl, Second Edition, offers a comprehensive explanation of using CGI to serve dynamic web content. 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. The book starts at the beginning, by explaining how CGI works, and then moves swiftly into the subtle details of developing CGI programs. Topics 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 Improving performance of your CGI scripts

**Apache 2 Pocket Reference** "O'Reilly Media, Inc."

Data pipelines are the foundation for success in data analytics. Moving data from numerous diverse sources and transforming it to provide context is the difference between having data and actually gaining value from it. This pocket reference defines data pipelines and explains how they work in today's modern data stack. You'll learn common considerations and key decision

points when implementing pipelines, such as batch versus streaming data ingestion and build versus buy. This book addresses the most common decisions made by data professionals and discusses foundational concepts that apply to open source frameworks, commercial products, and homegrown solutions. You'll learn: What a data pipeline is and how it works How data is moved and processed on modern data infrastructure, including cloud platforms Common tools and products used by data engineers to build pipelines How pipelines support analytics and reporting needs Considerations for pipeline maintenance, testing, and alerting

**Getting Started with Kudu** PE Press

Describes the history of the Web server platform and covers downloading and compiling, configuring and running the program on UNIX, writing specialized modules, and establishing security routines.

**ADA Pocket Guide to Parenteral Nutrition** "O'Reilly Media, Inc."

Exim delivers electronic mail, both local and remote. It has all the virtues of a good postman: it's easy to talk to, reliable, efficient, and eager to accommodate even the most complex special requests. It's the default mail transport agent installed on some Linux systems, runs on many versions of Unix, and is suitable for any TCP/IP network with any combination of hosts and end-user mail software. Exim is growing in popularity because it is open source, scalable, and rich in features such as the following: Compatibility with the calling interfaces and options of Sendmail (for which Exim is usually a drop-in replacement) Lookups in LDAP servers, MySQL and PostgreSQL databases, and NIS or NIS+ services Support for many kinds of address parsing, including regular expressions that are compatible with Perl 5 Sophisticated error handling Innumerable tuning parameters for improving performance and handling enormous volumes of mail Best of all, Exim is easy to configure. You never have to deal with ruleset 3 or worry that a misplaced asterisk will cause an inadvertent mail bomb. While a basic configuration is easy to read and can be created quickly, Exim's syntax and behavior do get more subtle as you enter complicated areas like virtual hosting, filtering, and automatic replies. This book is a comprehensive survey that provides quick information for people in a hurry as well as thorough coverage of more advanced material.

**Java Security** "O'Reilly Media, Inc."

Because Apache is the most-used web server running today, many Apache administrators are novices or don't complete the same tasks on a weekly basis. These readers are hungry for a concise, easy-to-use reference that puts essential code ""phrases"" at their fingertips. While there are many Apache books on the market, none of them answer essential questions quickly and efficiently. Administrators may want to fix a small problem that doesn't require pages of confusing explanation. Today's problem will likely not be tomorrow's problem, and the non-guru administrator wants answers each day to keep.

**Data Pipelines Pocket Reference** Packt Publishing Ltd

Among the many topics covered in this handy, pocket-sized guide are air and gases, carpentry and construction, pipes, pumps, computers, electronics, geology, math, surveying and mapping, and weights and measures. Includes tables, charts, drawings, lists & formulas.

**Data Pipelines Pocket Reference** "O'Reilly Media, Inc."

"If you're a developer trying to figure out why your application is not responding at 3 am, you need this book! This is now my go-to book when diagnosing production issues. It has saved me hours in troubleshooting complicated operations problems." -Trotter Cashion, cofounder, Mashion DevOps can help developers, QAs, and admins work together to solve Linux server problems far more rapidly, significantly improving IT performance, availability,

and efficiency. To gain these benefits, however, team members need common troubleshooting skills and practices. In *DevOps Troubleshooting: Linux Server Best Practices*, award-winning Linux expert Kyle Rankin brings together all the standardized, repeatable techniques your team needs to stop finger-pointing, collaborate effectively, and quickly solve virtually any Linux server problem. Rankin walks you through using DevOps techniques to troubleshoot everything from boot failures and corrupt disks to lost email and downed websites. You'll master indispensable skills for diagnosing high-load systems and network problems in production environments. Rankin shows how to Master DevOps' approach to troubleshooting and proven Linux server problem-solving principles Diagnose slow servers and applications by identifying CPU, RAM, and Disk I/O bottlenecks Understand healthy boots, so you can identify failure points and fix them Solve full or corrupt disk issues that prevent disk writes Track down the sources of network problems Troubleshoot DNS, email, and other network services Isolate and diagnose Apache and Nginx Web server failures and slowdowns Solve problems with MySQL and Postgres database servers and queries Identify hardware failures—even notoriously elusive intermittent failures

*Linux Device Drivers* "O'Reilly Media, Inc."

The HyperText Transfer Protocol, or HTTP, is the backbone of the World Wide Web. HTTP is the language that each web browser (or other web client) uses to communicate with servers around the world. All web programmers, administrators, and application developers need to be familiar with HTTP in order to work effectively. The HTTP Pocket Reference not only provides a solid conceptual foundation of HTTP, it also serves as a quick reference to each of the headers and status codes that comprise an HTTP transaction. The book starts with a tutorial of HTTP, but then explains the client request and server responses in more detail, and gives a thorough technical explanation of more advanced features of HTTP (such as persistent connections and caching). Most people use the Web every day without knowing anything about HTTP, but for those who need to get "beyond the browser," this book is the place to start.

*Managing Mailing Lists* "O'Reilly Media, Inc."

Whether you need full-text search or real-time analytics of structured data—or both—the Elasticsearch distributed search engine is an ideal way to put your data to work. This practical guide not only shows you how to search, analyze, and explore data with Elasticsearch, but also helps you deal with the complexities of human language, geolocation, and relationships. If you're a newcomer to both search and distributed systems, you'll quickly learn how to integrate Elasticsearch into your application. More experienced users will pick up lots of advanced techniques. Throughout the book, you'll follow a problem-based approach to learn why, when, and how to use Elasticsearch features. Understand how Elasticsearch interprets data in your documents Index and query your data to take advantage of search concepts such as relevance and word proximity Handle human language through the effective use of analyzers and queries Summarize and group data to show overall trends, with aggregations and analytics Use geo-points and geo-shapes—Elasticsearch's approaches to geolocation Model your data to take advantage of Elasticsearch's horizontal scalability Learn how to configure and monitor your cluster in production

*Apache* "O'Reilly Media, Inc."

Rich Text Format, or RTF, is the internal markup language used by Microsoft Word and understood by dozens of other word processors. RTF is a universal file format that pervades practically every desktop. Because RTF is text, it's much easier to generate and process than binary .doc files. Any programmer working with word processing documents needs to learn enough RTF to get

around, whether it's to format text for Word (or almost any other word processor), to make global changes to an existing document, or to convert Word files to (or from) another format. RTF Pocket Guide is a concise and easy-to-use tutorial and quick-reference for anyone who occasionally ends up mired in RTF files. As the first published book to cover the RTF format in any detail, this small pocket guide explains the syntax of RTF with examples throughout, including special sections on Unicode RTF and MSHelp RTF, and several full programs that demonstrate how to work in RTF effectively. Most word processors produce RTF documents consisting of arcane and redundant markup. This book is the first step to finding order in the disorder of RTF.

*Pocket Reference: Raspberry Pi* "O'Reilly Media, Inc."

This book teaches you how to build and maintain effective data pipelines. You'll explore the most common usage patterns, including aggregating multiple data sources, connecting to and from data lakes, and cloud deployment. --

**RTF Pocket Guide** Simon and Schuster

Apache is far and away the most widely used web server platform in the world, running on Windows NT as well as Unix and other platforms. It powers about half of the world's existing web sites and is still increasing market share. Apache also forms the basis of a number of commercial web servers, such as IBM HTTP Server powered by Apache and C2Net's Stronghold. Apache is at the leading edge of web server development with many new technologies being implemented first. Apache has a flexible architecture that allows independent developers to add their own functionality by way of modules, written either in C or, with the advent of mod\_perl, in Perl. The Apache Pocket Reference, a companion volume to *Writing Apache Modules with Perl and C* and *Apache: The Definitive Guide, 2nd Edition*, covers Apache 1.3.12. It provides a complete overview of the command-line options, configuration directives, and modules, and covers Apache support utilities.

**The Art of Capacity Planning** Sequoia Publishing

Summary HTTP/2 in Action is a complete guide to HTTP/2, one of the core protocols of the web. Because HTTP/2 has been designed to be easy to transition to, including keeping it backwards compatible, adoption is rapid and expected to increase over the next few years. Concentrating on practical matters, this interesting book presents key HTTP/2 concepts such as frames, streams, and multiplexing and explores how they affect the performance and behavior of your websites. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology HTTP—Hypertext Transfer Protocol—is the standard for exchanging messages between websites and browsers. And after 20 years, it's gotten a much-needed upgrade. With support for streams, server push, header compression, and prioritization, HTTP/2 delivers vast improvements in speed, security, and efficiency. About the Book HTTP/2 in Action teaches you everything you need to know to use HTTP/2 effectively. You'll learn how to optimize web performance with new features like frames, multiplexing, and push. You'll also explore real-world examples on advanced topics like flow control and dependencies. With ready-to-implement tips and best practices, this practical guide is sure to get you—and your websites—up to speed! What's Inside HTTP/2 for web developers Upgrading and troubleshooting Real-world examples and case studies QUIC and HTTP/3 About the Reader Written for web developers and site administrators. About the Authors Barry Pollard is a professional developer with two decades of experience developing, supporting, and tuning software and infrastructure. Table of Contents PART 1 MOVING TO HTTP/2 Web technologies and HTTP The road to HTTP/2 Upgrading to HTTP/2 PART 2 USING HTTP/2 HTTP/2 protocol



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 compression PART 4 THE FUTURE OF HTTP TCP, QUIC, and HTTP/3  
 Where HTTP goes from here

*Spark: The Definitive Guide* Peachpit Press

A variety of popular, platform-neutral tools are examined and used in an array of examples. An entire chapter is dedicated to Perl. Part tutorial, part reference manual. Department.

*Essential SNMP* Simon and Schuster

Device drivers literally drive everything you're interested in-- disks, monitors, keyboards, modems--everything outside the computer chip and memory. And writing device drivers is one of the few areas of programming for the Linux operating system that calls for unique, Linux-specific knowledge. For years now, programmers have relied on the classic Linux Device Drivers from O'Reilly to master this critical subject. Now in its third edition, this bestselling guide provides all the information you'll need to write drivers for a wide range of devices. Over the years the book has helped countless programmers learn: how to support computer peripherals under the Linux operating system how to develop and write software for new hardware under Linux the basics of Linux operation even if they are not expecting to write a driver The new edition of Linux Device Drivers is better than ever. The book covers all the significant changes to Version 2.6 of the Linux kernel, which simplifies many activities, and contains subtle new features that can make a driver both more efficient and more flexible. Readers will find new chapters on important types of drivers not covered previously, such as consoles, USB drivers, and more. Best of all, you don't have to be a kernel hacker to understand and enjoy this book. All you need is an understanding of the C programming language and some background in Unix system calls. And for maximum ease-of-use, the book uses full-featured examples that you can compile and run without special hardware. Today Linux holds fast as the most rapidly growing segment of the computer market and continues to win over enthusiastic adherents in many application areas. With this increasing support, Linux is now absolutely mainstream, and viewed as a solid platform for embedded systems. If you're

writing device drivers, you'll want this book. In fact, you'll wonder how drivers are ever written without it.

**DevOps Troubleshooting** "O'Reilly Media, Inc."

This is a pocket reference for getting started Raspberry Pi.

**\*\*TOC\*\*** 1. Introduction to Raspberry Pi 1.1 Raspberry Pi 1.2 Getting Hardware 2. Raspberry Pi Software 2.1 Raspberry Pi Operating System 2.2 Installing Raspberry Pi OS 2.2.1 Setup SD Card 2.2.2 Booting 3. Basic Configuration 3.1 Configure Timezone 3.2 Configure Keyboard 3.3 Rebooting 3.4 Shutdown 3.5 Update Package Repository 3.6 Change Password 4. Networking 4.1 Connecting to Network 4.1.1 LAN 4.1.2 WIFI 4.2 Configuring IP Address 4.3 Static IP Address 4.4 Browsing Internet 4.5 SSH 5. Development Environment 5.1 Python 5.2 C/C++ 5.3 Node.js 6. Creating a LAMP Server 6.1 Installing Apache Server 6.2 Installing MySQL 6.3 Installing PHP and MySQL Driver for PHP 6.4 Testing PHP 6.5 Testing PHP and MySQL

**Designing with Javascript** "O'Reilly Media, Inc."

A guide for beginners offers an overview of JavaScript basics and explains how to create Web pages, identify browsers, and integrate sound, graphics, and animation into Web applications.

*Professional Apache 2.0* "O'Reilly Media, Inc."

Even if you know the Apache web server inside and out, you still need an occasional on-the-job reminder -- especially if you're moving to the newer Apache 2.x. Apache 2 Pocket Reference gives you exactly what you need to get the job done without forcing you to plow through a cumbersome, doorstop-sized reference. This Book provides essential information to help you configure and maintain the server quickly, with brief explanations that get directly to the point. It covers Apache 2.x, giving web masters, web administrators, and programmers a quick and easy reference solution. This pocket reference includes: Summaries of command-line options, configuration directives, and modules Key information about Apache support utilities What you need to know about URL rewriting, filters, caching, proxying and security Whether you manage huge e-commerce operations, corporate intranets, or small personal websites, Apache 2 Pocket Reference is ideal for savvy administrators who no longer need detailed tutorials and just want a convenient, on-the-job reference.

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