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Describes the basic concepts of version control, covering such topics as branching and merging, repository and server setup, and configuring runtime options.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. Welcome to OOIS'01 and Calgary! This is the

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7th International Conference on Object-Oriented Information Systems (OOIS) that focus on Object-Oriented and Web-Based Frameworks for Information Systems. In the last few years we've seen significant new development in this field, from one-off design technologies to reusable frameworks, and from web applications to bioinformatic systems. We perceive that information processing is one of the most important activities of human beings. Object-orientation and frameworks have been the main-stream

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technologies for design and implementation of large-scale and complex information systems. Recent research advances and industrial innovations in information systems modeling and Internet applications have explored the new trends in shifting information system vendors from component and system developers to services providers. Users of information systems are increasingly demanding higher performance, mobility, and personalization in order to realize the dream to access and obtain necessary information

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anywhere and anytime. The new development requires the investigation of new architectures, frameworks, processes, and inter-connectivity of information systems at society, organization, team, and personal levels. The OOIS'01 Proceedings has put together a program of 53 papers from leading researchers and practitioners in the field of object technology and information systems. The Berkeley DB Book is intended to be a practical guide to the intricacies of Berkeley DB; an in-depth analysis of the complex

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design issues which are often covered in terse footnotes in the dense Berkeley DB reference manual. It explains the technology at a higher level and also covers the internals with generous code and design examples. Berkeley DB is becoming the database of choice for appliance makers and for in memory cache of large scale applications like search engines and high traffic web sites.

TheSavvyGuideTo HPC, Grid, Data Grid, Virtualisation and Cloud Computing
InfoWorld

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Native XML and XML-enabled Database Systems

Scripting Intelligence

Distributed Database Systems

The CIO's Guide to Oracle Products and Solutions

Having lived with the World Wide Web for twenty years, surfing the Web becomes a way of our life that cannot be separated. From latest news, photo sharing, social activities, to research collaborations and even commercial activities and government affairs, almost all kinds of information are available and processible via the Web. While people are appreciating the great invention, the father of the Web, Sir Tim Berners-Lee, has started the plan for the next generation of the Web,

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the Semantic Web. Unlike the Web that was originally designed for reading, the Semantic Web aims at a more intelligent Web severing machines as well as people. The idea behind it is simple: machines can automatically process or “understand” the information, if explicit meanings are given to it. In this way, it facilitates sharing and reuse of data across applications, enterprises, and communities. According to the organisation of the book, the intended readers may come from two groups, i.e. those whose interests include Semantic Web and want to catch on the state-of-the-art research progress in this field; and those who urgently need or just intend to seek help from the Semantic Web. In this sense, readers are not limited to the computer science. Everyone is welcome to find their possible intersection of the Semantic Web. This open access book was prepared as a Final Publication of the COST Action IC1303 “Algorithms, Architectures and Platforms for

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Enhanced Living Environments (AAPELE)”. The concept of Enhanced Living Environments (ELE) refers to the area of Ambient Assisted Living (AAL) that is more related with Information and Communication Technologies (ICT). Effective ELE solutions require appropriate ICT algorithms, architectures, platforms, and systems, having in view the advance of science and technology in this area and the development of new and innovative solutions that can provide improvements in the quality of life for people in their homes and can reduce the financial burden on the budgets of the healthcare providers. The aim of this book is to become a state-of-the-art reference, discussing progress made, as well as prompting future directions on theories, practices, standards, and strategies related to the ELE area. The book contains 12 chapters and can serve as a valuable reference for undergraduate students, post-graduate students,

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educators, faculty members, researchers, engineers, medical doctors, healthcare organizations, insurance companies, and research strategists working in this area.

This is the first book to devote complete coverage to the most recent release of the popular embedded open source database SQLite. The book acts as both an ideal tutorial and reference guide. It offers experienced database developers a thorough overview of its capabilities and APIs, yet is mindful of newcomers who may be making their first foray into the database environment with SQLite. Readers are presented with introductions to the SQLite extensions available for C, Java, Perl, PHP, Python, Ruby, and Tcl.

It is with great pleasure that we present the proceedings of the 5th International Symposium on Visual Computing (ISVC 2009), which was held in Las Vegas, Nevada. ISVC offers a common umbrella for

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the four main areas of visual computing including vision, graphics, visualization, and virtual reality. The goal is to provide a forum for researchers, scientists, engineers, and practitioners throughout the world to present their latest research findings, ideas, developments, and applications in the broader area of visual computing. This year, the program consisted of 16 oral sessions, one poster session, 7 special tracks, and 6 keynote presentations. Also, this year ISVC hosted the Third Semantic Robot Vision Challenge. The response to the call for papers was very good; we received over 320 submissions for the main symposium from which we accepted 97 papers for oral presentation and 63 papers for poster presentation. Special track papers were solicited separately through the Organizing and Program Committees of each track. A total of 40 papers were accepted for oral

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presentation and 15 papers for poster presentation in the special tracks. All papers were reviewed with an emphasis on potential to contribute to the state of the art in the field. Selection criteria included accuracy and originality of ideas, clarity and significance of results, and presentation quality. The review process was quite rigorous, involving two to three independent blind reviews followed by several days of discussion. During the discussion period we tried to correct anomalies and errors that might have existed in the initial reviews.

SICStus Prolog User's Manual 4.3

Covering 18.04, 18.10, 19.04

Handbook of Open Source Tools

SOA Implementation Recipes, Tips, and Techniques

What Every SQL Professional Needs to Know about Non-Relational Databases

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Database Integrity: Challenges and Solutions

This book constitutes the strictly refereed post-workshop proceedings of the 5th International Workshop on Languages, Compilers, and Run-Time Systems for Scalable Computing, LCR 2000, held in Rochester, NY, USA in May 2000. The 22 revised full papers presented were carefully reviewed and selected from 38 submissions. The papers are organized in topical sections on data-intensive computing, static analysis, openMP support, synchronization, software DSM, heterogeneous/-meta-computing, issues of load, and compiler-supported parallelism.

Describes Java application development on Linux, covering such topics as business-logic object analysis, Java servlet UIs, JSP, Swing GUIs, and database design.

In this book, cofounder and lead developer James Gardner brings

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you a comprehensive introduction to Pylons, the web framework that uses the best of Ruby, Python, and Perl and the emerging WSGI standard to provide structure and flexibility. You'll learn how to create your own Pylons-driven web site and attain the mastery of advanced Pylons features. You'll also learn how to stretch Pylons to its fullest ability, as well as share Gardner's unique insight and extensive experience in developing and deploying Pylons for a wide variety of situations.

SICStus Prolog is the de-facto standard industrial Prolog programming environment. With more than 25 years in fielded applications, it has a proven track record of a robust, scalable and efficient system. It is widely used for commercial applications as well as in research and education. This book edition contains the core reference documentation of SICStus Prolog release 4.3.0.

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SICStus Prolog complies with the ISO Prolog standard, IPv4, IPv6, and Unicode 5.0. It is interoperable with C, C++, .NET, Java, Tcl/Tk, Berkeley DB, ODBC, XML, MiniZinc, and more. It ships with a comprehensive library of modules for abstract data types, program development, operating system and file system access, processes, sockets, constraint solvers, and more. SICStus Prolog compiles to a virtual machine (WAM), emulated by efficient C code and compiled just-in-time to native code for x86-based platforms. Tools provide deployment to stand-alone, all-in-one-file, and embedded applications. The Eclipse-based development environment SPIDER provides semantics-aware editing support, static analysis tools, source-linked debugging, tracking variable bindings, profiling, code coverage, backtraces, call hierarchies, and more.

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The Definitive Guide to Berkeley DB XML

Version Control with Subversion

Feature-Oriented Software Product Lines

Core reference documentation

5th International Workshop, LCR 2000 Rochester, NY, USA, May 25-27, 2000 Selected Papers

Advances in Visual Computing

This is the official guide and reference manual for Subversion 1.6 - the popular open source revision control technology.

This book teaches the basics of XML with an original approach, using real-world examples from an interesting (and operating) environment with broad applicability. It covers the full spectrum of Berkeley DB XML tools, including the command-line shell, transactions, rollbacks, replication,

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archiving and monitoring. Techniques and concepts that have broad applicability outside of the subject matter are skillfully explained: XML, XPath, XQuery, XML schemas, all industry-standard technologies that find one of their best tutorial treatments, and all in the context of a simple database solution. The book also presents a remarkable example of query power.

Small, special-purpose computing devices and high-end core Internet servers need fast, reliable database management. Berkeley DB is an embedded database that provides high-performance, scalable, transaction-protected and recoverable data management services to applications. Extremely portable, this library runs under almost all UNIX and Windows variants, as well as a number of embedded, real-time

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operating systems. Berkeley DB is the ultimate resource for the world's most widely deployed embedded database engine. This book will aid software architects and engineers, product managers, and systems and network administrators without the overhead imposed by other database products. Designed by programmers for programmers, this classic library style toolkit provides a broad base of functionality to application writers. This book will help you to make intelligent choices about when and how to use Berkeley DB to meet your needs. You can visit the Sleepycat website to get the latest errata for this book. NOTE: The first printing of this book contained an error in the table of contents that caused the page numbers to be off. This will be corrected in the second printing. If you have an earlier edition, you can

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download a pdf of the correct table of contents that you can print out and use with your book. If you have any questions, please feel free to contact the editor of this book at stephanie.wall@newriders.com.

Focuses on service-oriented architecture: web services, orchestrations, policies, and more - for developers.

Java Application Development on Linux

Professional NoSQL

Oracle Essentials

XML Data Management

Languages, Compilers, and Run-Time Systems for Scalable Computers

Languages, Compilers and Run-time Systems for Scalable Computers

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Geared toward designers and professionals interested in the conceptual aspects of integrity problems in different paradigms, Database Integrity: Challenges and Solutions successfully addresses these and a variety of other issues.

Handbook of Open Source Tools introduces a comprehensive collection of advanced open source tools useful in developing software applications. The book contains information on more than 200 open-source tools which include software construction utilities for compilers, virtual-machines, database, graphics, high-performance computing, OpenGL, geometry, algebra, graph theory , GUIs and more. Special highlights for software construction utilities and application libraries are included. Each tool is covered in the context of a real like application development setting. This unique handbook presents a comprehensive discussion of advanced tools, a valuable asset

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used by most application developers and programmers; includes a special focus on Mathematical Open Source Software not available in most Open Source Software books, and introduces several tools (eg ACL2, CLIPS, CUDA, and COIN) which are not known outside of select groups, but are very powerful. Handbook of Open Source Tools is designed for application developers and programmers working with Open Source Tools. Advanced-level students concentrating on Engineering, Mathematics and Computer Science will find this reference a valuable asset as well.

From operating systems to the cloud, Oracle's products and services are everywhere, and it has the market share to prove it. Given the share diversity of the Oracle product line, and the level of complexity of integration, management can be quite a daunting task. The CIO's Guide to Oracle Products and Solutions is the go-to guide for all things

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Orac

While standardization has empowered the software industry to substantially scale software development and to provide affordable software to a broad market, it often does not address smaller market segments, nor the needs and wishes of individual customers. Software product lines reconcile mass production and standardization with mass customization in software engineering. Ideally, based on a set of reusable parts, a software manufacturer can generate a software product based on the requirements of its customer. The concept of features is central to achieving this level of automation, because features bridge the gap between the requirements the customer has and the functionality a product provides. Thus features are a central concept in all phases of product-line development. The authors take a developer ' s viewpoint, focus on the development, maintenance, and

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implementation of product-line variability, and especially concentrate on automated product derivation based on a user ' s feature selection. The book consists of three parts. Part I provides a general introduction to feature-oriented software product lines, describing the product-line approach and introducing the product-line development process with its two elements of domain and application engineering. The pivotal part II covers a wide variety of implementation techniques including design patterns, frameworks, components, feature-oriented programming, and aspect-oriented programming, as well as tool-based approaches including preprocessors, build systems, version-control systems, and virtual separation of concerns. Finally, part III is devoted to advanced topics related to feature-oriented product lines like refactoring, feature interaction, and analysis tools specific to product lines. In addition, an appendix lists various helpful tools for software

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product-line development, along with a description of how they relate to the topics covered in this book. To tie the book together, the authors use two running examples that are well documented in the product-line literature: data management for embedded systems, and variations of graph data structures. They start every chapter by explicitly stating the respective learning goals and finish it with a set of exercises; additional teaching material is also available online. All these features make the book ideally suited for teaching – both for academic classes and for professionals interested in self-study.

5th International Symposium, ISVC 2009, Las Vegas, NV, USA,
November 30 - December 2, 2009, Proceedings, Part II

Proceedings of the ... USENIX Conference on Object-Oriented
Technologies and Systems (COOTS)

Java SOA Cookbook

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Joe Celko ' s Complete Guide to NoSQL

Professional XML

JAVA Developer's Journal

Since its inception in 1997, the European Conference on Research and Advanced Technology for Digital Libraries (ECDL) has come a long way, creating a strong interdisciplinary community of researchers and practitioners in the field of digital libraries. We are proud to present the proceedings of ECDL 2005, the ninth conference in this series, which, following Pisa (1997), Heraklion (1998), Paris (1999), Lisbon (2000), Darmstadt (2001), Rome (2002), Trondheim (2003), and

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Bath (2004), took place on September 18-23, 2005 in Vienna, Austria. ECDL 2005 featured separate calls for paper and poster submissions, resulting in 130 full papers and 32 posters being submitted to the conference. All papers were subject to a thorough peer-review process, with an 87-person-strong Program Committee and a further 68 additional reviewers from 35 countries from basically all continents sharing the tremendous review load, producing between three and four detailed reviews per paper. Based on these, as well as on the discussion that took place during a one-week on-line PC discussion

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phase, 41 papers were finally selected for inclusion in the conference program during a 1.5 day PC meeting, resulting in an acceptance rate of only 32%. Furthermore, 17 paper submissions were accepted for poster presentations with an additional 13 posters being accepted based on a simplified review process of 2-3 reviews per poster from the poster submission track. Both the full papers as well as extended abstracts of the posters presented at ECDL 2005 are provided in these proceedings.

While Web 2.0 was about data, Web 3.0 is about knowledge and information. Scripting

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Intelligence: Web 3.0 Information Gathering and Processing offers the reader Ruby scripts for intelligent information management in a Web 3.0 environment—including information extraction from text, using Semantic Web technologies, information gathering (relational database metadata, web scraping, Wikipedia, Freebase), combining information from multiple sources, and strategies for publishing processed information. This book will be a valuable tool for anyone needing to gather, process, and publish web or database information across the modern web environment. Text processing recipes,

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including speech tagging and automatic summarization Gathering, visualizing, and publishing information from the Semantic Web Information gathering from traditional sources such as relational databases and web sites

A hands-on guide to leveraging NoSQL databases NoSQL databases are an efficient and powerful tool for storing and manipulating vast quantities of data. Most NoSQL databases scale well as data grows. In addition, they are often malleable and flexible enough to accommodate semi-structured and sparse data sets. This

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comprehensive hands-on guide presents fundamental concepts and practical solutions for getting you ready to use NoSQL databases. Expert author Shashank Tiwari begins with a helpful introduction on the subject of NoSQL, explains its characteristics and typical uses, and looks at where it fits in the application stack. Unique insights help you choose which NoSQL solutions are best for solving your specific data storage needs. Professional NoSQL: Demystifies the concepts that relate to NoSQL databases, including column-family oriented stores, key/value databases, and document databases. Delves

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into installing and configuring a number of NoSQL products and the Hadoop family of products. Explains ways of storing, accessing, and querying data in NoSQL databases through examples that use MongoDB, HBase, Cassandra, Redis, CouchDB, Google App Engine Datastore and more. Looks at architecture and internals. Provides guidelines for optimal usage, performance tuning, and scalable configurations. Presents a number of tools and utilities relating to NoSQL, distributed platforms, and scalable processing, including Hive, Pig, RRDtool, Nagios, and more.

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Written by experienced Oracle insiders, this essential guide distills a vast amount of information into an easy-to-read volume that covers every aspect of the Oracle database. Readers of all technical levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning and much more. Augmented with illustrations and helpful hints, the fifth edition of Oracle Essentials offers a valuable one-stop overview of Oracle Database 12c, Oracle's newest database release. More comprehensible than huge complete references,

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and more detailed than most primers, this book gives current Oracle users the conceptual background they need to understand how the Oracle database truly works. For those new to Oracle, this all-in-one guide provides an essential introduction that will get them up to speed.

Concepts and Implementation

Berkeley DB

Semantic Web

Challenges and Solutions

Research and Advanced Technology for Digital Libraries

Objects and Databases

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Master Oracle NoSQL Database Enable highly reliable, scalable, and available data. Oracle NoSQL Database: Real-Time Big Data Management for the Enterprise shows you how to take full advantage of this cost-effective solution for storing, retrieving, and updating high-volume, unstructured data. The book covers installation, configuration, application development, capacity planning and sizing, and integration with other enterprise data

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center products. Real-world examples illustrate the concepts presented in this Oracle Press guide. Understand Oracle NoSQL Database architecture and the underlying data storage engine, Oracle Berkeley DB Install and configure Oracle NoSQL Database for optimal performance Develop complex, distributed applications using a rich set of APIs Read and write data into the Oracle NoSQL Database key-value store Apply an Avro schema to the value

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portion of the key-value pair using Avro bindings Learn best practices for capacity planning and sizing an enterpriselevel Oracle NoSQL Database deployment Integrate Oracle NoSQL Database with Oracle Database, Oracle Event Processing, and Hadoop Code examples from the book are available for download at

www.OraclePressBooks.com.

AccordingtoFrancoisBancillonandWonKim[SIGMODRECORD, Vol. 19, No. 4, December

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1990], object-oriented databases started in around 1983. Twenty-seven years later this publication contains the proceedings of the Third International Conference on Object-Oriented Databases (IC00DB 2010). Two questions arise from this – why only the third, and what is of interest in the field of object-oriented databases in 2010? The first question is easy – in the 1980s and 1990s there were a number of conferences supporting the community –

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the International Workshops on Persistent Object Systems started by Malcolm Atkinson and Ron Morrison, the EDBT series, and the International Workshop on Database Programming Languages. These database-oriented conferences complimented other OO conferences including OOPSLA and ECOOP, but towards the end of the last century they dwindled in popularity and eventually died out. In 2008 the First International Conference on Object

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Databases was held in Berlin. In 2009 the second IC00DB conference was held at the ETH in Zurich as a scienti?c peer-reviewed conference. What is particular about IC00DB is that the conference series was est- lished to address the needs of both industry and researcherswho had an interest in object databases, in innovative ways to bring objects and databases together and in alternatives/extensions to relational databases. The ?rst

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conference set the mould for those to follow – a combination of theory and practice with one day focusing on the theory of object databases and the second focusing on their practical use and implementation.

Distributed Database Systems discusses the recent and emerging technologies in the field of distributed database technology. The material is up-to-date, highly readable, and illustrated with numerous practical examples. The

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mainstream areas of distributed database technology, such as distributed database design, distributed DBMS architectures, distributed transaction management, distributed concurrency control, deadlock handling in distributed systems, distributed recovery management, distributed query processing and optimization, data security and catalog management, have been covered in detail. The popular

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distributed database systems, SDD-1 and R*, have also been included.

XML is the logical choice for a powerful data medium transferable across applications and platforms. This book takes a streamlined approach, giving the reader all they need to hit the ground running, without making them trawl through hundreds of pages of syntax. The book is also thoroughly up-to-date, covering the newest XML standards (DOM 3.0, XSLT 2.0, XPath

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2.0) and Java tools (including JAXB, Xerces2-j, JAXP, XML Beans, and many more,) and the relevant new features of Java 5 and 6. In short, the book gives readers all they need to master cutting edge XML development with Java.

The Berkeley DB Book

9th European Conference, ECDL 2005,
Vienna, Austria, September 18-23, 2005,
Proceedings

Third International Conference, IC00DB
2010, Frankfurt/Main, Germany,

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**September 28-30, 2010. Proceedings
7th International Conference on Object-
Oriented Information Systems 27 – 29
August 2001, Calgary, Canada
Real-Time Big Data Management for the
Enterprise
Pro XML Development with Java
Technology**

In this book, you will find discussions on the newest native XML databases, along with information on working with XML-enabled relational database systems. In addition, XML Data Management

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thoroughly examines benchmarks and analysis techniques for performance of XML databases. This book is best used by students that are knowledgeable in database technology and are familiar with XML.

Covers 18.04, 18.10, 19.04, and 19.10 Ubuntu Unleashed 2019 Edition is filled with unique and advanced information for everyone who wants to make the most of the Ubuntu Linux operating system. This new edition has been thoroughly updated, including two new chapters, by a long-time Ubuntu community leader to reflect the exciting new

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Ubuntu 18.04 LTS release, with forthcoming online updates for 18.10, 19.04, and 19.10 when they are released. Linux writer Matthew Helmke covers all you need to know about Ubuntu 18.04 LTS installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more—including intermediate-to-advanced techniques you won't find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu's key productivity and web development tools, programming languages,

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hardware support, and more. You'll find new or improved coverage of the Ubuntu desktop experience, common web servers and software stacks, containers like Docker and Kubernetes, as well as a wealth of systems administration information that is stable and valuable over many years. Configure and use the Ubuntu desktop Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access and

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configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, DNS, and HTTP servers (Apache, Nginx, or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization and cloud deployment, including information about containers Learn the basics about popular programming languages including Python, PHP, Perl, and gain an introduction to new alternatives such as Go and Rust This book is a guide for professionals, explaining the

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Grid, Data Grid, Caching, Virtualisation and Cloud Computing Landscape in a no-nonsense, informative manner. The focus is on the overall picture of all the technologies, how they overlap, their real world use, their patterns of use, and what commercial and open-source products are available.

As XML gains popularity, developers are looking to implement XML technologies in their line-of-business applications This book offers readers real-world insight into XML so that they can build the best possible applications Offers an in-depth look at XML and discusses XML tools, services (RSS, SOAP,

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REST, WSDL), programming (DOM, SAX, Ajax), and languages (.NET, Java, PHP)

Subversion 1.6 Official Guide

Ubuntu Unleashed 2019 Edition

The Definitive Guide to Pylons

OOIS 2001

The Definitive Guide to SQLite

Web 3.0 Information Gathering and Processing

Joe Celko's Complete Guide to NoSQL provides a complete overview of non-relational technologies so that you can become more nimble to meet the needs of

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your organization. As data continues to explode and grow more complex, SQL is becoming less useful for querying data and extracting meaning. In this new world of bigger and faster data, you will need to leverage non-relational technologies to get the most out of the information you have. Learn where, when, and why the benefits of NoSQL outweigh those of SQL with Joe Celko's Complete Guide to NoSQL. This book covers three areas that make today's new data different from the data of the past: velocity, volume and variety. When

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information is changing faster than you can collect and query it, it simply cannot be treated the same as static data. Celko will help you understand velocity, to equip you with the tools to drink from a fire hose. Old storage and access models do not work for big data. Celko will help you understand volume, as well as different ways to store and access data such as petabytes and exabytes. Not all data can fit into a relational model, including genetic data, semantic data, and data generated by social networks. Celko will help you understand

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variety, as well as the alternative storage, query, and management frameworks needed by certain kinds of data. Gain a complete understanding of the situations in which SQL has more drawbacks than benefits so that you can better determine when to utilize NoSQL technologies for maximum benefit Recognize the pros and cons of columnar, streaming, and graph databases Make the transition to NoSQL with the expert guidance of best-selling SQL expert Joe Celko Algorithms, Architectures, Platforms, and

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Systems

Oracle NoSQL Database

Enhanced Living Environments