

## Apache Tomcat 7 Essentials By Khare Tanuj 2012 Paperback

Mockito EssentialsTomcat: The Definitive GuideAtlassian Confluence 5 EssentialsNetBeans IDE Field GuideJIRA 7 EssentialsMicrosoft Azure Essentials - Fundamentals of AzureProgramming Web Services with SOAPRabbitMQ CookbookGradle EssentialsDeveloping Web Applications with Oracle ADF EssentialsVirtualization EssentialsBlueprint to a BillionEssential GWTApache Tomcat 7Spring CookbookJenkins EssentialsLearning ELK StackFowlerGetting Started with Eclipse JunoSpring Boot in ActionWeb Services EssentialsEssentials of Application Development on IBM CloudJavaServer Pages Pocket ReferenceApache Tomcat 7 User GuideJava EE 7 EssentialsGitHub EssentialsJira 8 EssentialsPostGIS EssentialsProfessional Apache TomcatSVG EssentialsApache Oozie EssentialsTomcat: The Definitive GuideMaven EssentialsJava Web Services: Up and RunningApache Tomcat 7 EssentialsProfessional Apache Tomcat 6JavaFX EssentialsBuilding Scalable and High-performance Java Web Applications Using J2EE TechnologyInstant Apache Hive Essentials How-ToMaven Essentials

### Mockito Essentials

The web services architecture provides a new way to think about and implement application-to-application integration and interoperability that makes the development platform irrelevant. Two applications, regardless of operating system, programming language, or any other technical implementation detail, communicate using XML messages over open Internet protocols such as HTTP or SMTP. The Simple Open Access Protocol (SOAP) is a specification that details how to encode that information and has become the messaging protocol of choice for Web services. Programming Web Services with SOAP is a detailed guide to using SOAP and other leading web services standards--WSDL (Web Service Description Language), and UDDI (Universal Description, Discovery, and Integration protocol). You'll learn the concepts of the web services architecture and get practical advice on building and deploying web services in the enterprise. This authoritative book decodes the standards, explaining the concepts and implementation in a clear, concise style. You'll also learn about the major toolkits for building and deploying web services. Examples in Java, Perl, C#, and Visual Basic illustrate the principles. Significant applications developed using Java and Perl on the Apache Tomcat web platform address real issues such as security, debugging, and interoperability. Covered topic areas include: The Web Services Architecture SOAP envelopes, headers, and encodings WSDL and UDDI Writing web services with Apache SOAP and Java Writing web services with Perl's SOAP::Lite Peer-to-peer (P2P) web services Enterprise issues such as authentication, security, and identity Up-and-coming standards projects for web services Programming Web Services with SOAP provides you with all the information on the standards, protocols, and toolkits you'll need to integrate information services with SOAP. You'll find a solid core of information that will help you develop individual Web services or discover new ways to integrate core business processes across an enterprise.

## **Tomcat: The Definitive Guide**

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. Patterns of Enterprise Application Architecture is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include

- Dividing an enterprise application into layers
- The major approaches to organizing business logic
- An in-depth treatment of mapping between objects and relational databases
- Using Model-View-Controller to organize a Web presentation
- Handling concurrency for data that spans multiple transactions
- Designing distributed object interfaces

## **Atlassian Confluence 5 Essentials**

Written as a concise yet practical guide that details the main features which are usually required by a programmer who makes use of the Eclipse platform, this book covers Eclipse 3.8 in a way that is accessible to the Java novice and expert alike. The reader is guided through a series of hands-on examples that introduce Eclipse and some of its plugins. The primary audience for this book are the Java programmers. This book has been written in a way that it is accessible both to beginners and advanced Java programmers alike. Also, if you are a seasoned Java developer who has been using another IDE and wondering what Eclipse brings to the table, this book will provide you with a hands-on walkthrough of the main IDE features. This book will also be beneficial to any computer science undergraduate or a graduate student who are familiar with Java.

## **NetBeans IDE Field Guide**

This book will teach you what you need to know to start using GitHub effectively for collaborating and working on your software projects. Key Features Effectively use GitHub by learning its key features to leverage the power of Git and make collaboration on code easy to work with. Be more productive on the development workflow of your projects using the valuable toolset that GitHub provides. Explore the world of GitHub by following simple, step-by-step, real-world scenarios accompanied by helpful, explanatory screenshots. Book Description Whether you are an experienced developer or a novice, learning to work with Version Control Systems is a must in the software development world. Git is the most popular tool for that purpose, and GitHub was built around it, leveraging its powers by bringing it to the web. Starting with the basics of creating a repository, you will then learn how to manage the issue tracker, the place where discussions about your project take place. Continuing our journey, we will explore how to use the wiki and write rich documentation that will accompany your project. You will also master organization/team management and some of the features that made GitHub so well known, including pull requests. Next, we will focus on creating simple web pages hosted on GitHub and lastly, we will explore the settings that are configurable for a user and a repository. What you will learn Create and upload repositories to your account Create organizations and manage teams with different access levels on repositories Use the issue tracker effectively and add context to issues with labels and milestones Create, access, and personalize your user account and profile settings Build a community around your project using the sophisticated tools GitHub provides Create GitHub pages and understand web analytics Who this book is for This book is for experienced or novice developers with a basic knowledge of Git. If you ever wanted to learn how big projects such as Twitter, Google, or even GitHub collaborate on code, then this book is for you.

## **JIRA 7 Essentials**

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.

## **Microsoft Azure Essentials - Fundamentals of Azure**

This book is a quick guide for anyone who wants to get started with PostGIS and develop their very own GIS projects quickly.

## **Programming Web Services with SOAP**

Learn virtualization skills by building your own virtual machine Virtualization Essentials, Second Edition provides new and aspiring IT professionals with immersive training in working with virtualization environments. Clear, straightforward discussion simplifies complex concepts, and the hands-on tutorial approach helps you quickly get up to speed on the fundamentals. You'll begin by learning what virtualization is and how it works within the computing environment, then you'll dive right into building your own virtual machine. You'll learn how to set up the CPU, memory, storage, networking, and more as you master the skills that put you in-demand on the job market. Each chapter focuses on a specific goal, and concludes with review questions that test your understanding as well as suggested exercises that help you reinforce what you've learned. As more and more companies are leveraging virtualization, it's imperative that IT professionals have the skills and knowledge to interface with virtualization-centric infrastructures. This book takes a learning-by-doing approach to give you hands-on training and a core understanding of virtualization. Understand how virtualization works Create a virtual machine by scratch and migration Configure and manage basic components and supporting devices Develop the necessary skill set to work in today's virtual world Virtualization was initially used to build test labs, but its use has expanded to become best practice for a tremendous variety of IT solutions including high availability, business continuity, dynamic IT, and more. Cloud computing and DevOps rely on virtualization technologies, and the exponential spread of these and similar applications make virtualization proficiency a major value-add for any IT professional. Virtualization Essentials, Second Edition provides accessible, user-friendly, informative virtualization training for the forward-looking pro.

## **RabbitMQ Cookbook**

This book is a step-by-step tutorial for anyone wanting to learn Apache Tomcat 7 from scratch. There are plenty of illustrations and examples to escalate you from a novice to an expert with minimal strain. If you are a J2EE administrator, migration administrator, technical architect, or a project manager for a web hosting domain, and are interested in Apache Tomcat 7, then this book is for you. If you are someone responsible for installation, configuration, and management of Tomcat 7, then too, this book will be of help to you.

## **Gradle Essentials**

Get started with the essentials of Apache Maven and get your build automation system up and running quickly About This Book Explore the essentials of Apache Maven essentials to arm yourself with all the ingredients needed to develop a comprehensive build automation system Identify the extension points in Apache Maven and learn more about them in-depth Improve developer productivity by optimizing the build process with best practices in Maven using this compact guide Who This Book Is For The book is ideal for for experienced developers who are already familiar with build automation, but want to learn how to use Maven and apply its concepts to the most difficult scenarios in build automation. What You Will Learn Comprehend the key concepts in Apache Maven Build your own custom plugins and get to know how Maven extension points are used Troubleshoot build issues with greater confidence Optimize Maven's configuration settings Write custom lifecycles and extensions Get hands-on and create a Maven assembly Explore the best practices to design a build system that improves developer productivity In Detail Maven is the #1 build tool used by developers and it has been around for more than a decade. Maven stands out among other build tools due to its extremely extensible architecture, which is built on of the concept of convention over configuration. It's widely used by many open source Java projects under Apache Software Foundation, Sourceforge, Google Code, and more. Maven Essentials is a fast-paced guide to show you the key concepts in Maven and build automation. We get started by introducing you to Maven and exploring its core concepts and architecture. Next, you will learn about and write a Project Object Model (POM) while creating your own Maven project. You will also find out how to create custom archetypes and plugins to establish the most common goals in build automation. After this, you'll get to know how to design the build to prevent any maintenance nightmares, with proper dependency management. We then explore Maven build lifecycles and Maven assemblies. Finally, you will discover how to apply the best practices when designing a build system to improve developer productivity. Style and approach This book is a practical and compact guide that will show you how to use Apache Maven in an optimal way to address enterprise build requirements. It provides technical guidance to get you started with Maven and build automation.

## **Developing Web Applications with Oracle ADF Essentials**

Summary A developer-focused guide to writing applications using Spring Boot. You'll learn how to bypass the tedious

configuration steps so that you can concentrate on your application's behavior. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Spring Framework simplifies enterprise Java development, but it does require lots of tedious configuration work. Spring Boot radically streamlines spinning up a Spring application. You get automatic configuration and a model with established conventions for build-time and runtime dependencies. You also get a handy command-line interface you can use to write scripts in Groovy. Developers who use Spring Boot often say that they can't imagine going back to hand configuring their applications. About the Book "Spring Boot in Action" is a developer-focused guide to writing applications using Spring Boot. In it, you'll learn how to bypass configuration steps so you can focus on your application's behavior. Spring expert Craig Walls uses interesting and practical examples to teach you both how to use the default settings effectively and how to override and customize Spring Boot for your unique environment. Along the way, you'll pick up insights from Craig's years of Spring development experience. What's Inside Develop Spring apps more efficiently Minimal to no configuration Runtime metrics with the Actuator Covers Spring Boot 1.3 About the Reader Written for readers familiar with the Spring Framework. About the Author Craig Walls is a software developer, author of the popular book Spring in Action, Fourth Edition, and a frequent speaker at conferences. Table of Contents Bootstarting Spring Developing your first Spring Boot application Customizing configuration Testing with Spring Boot Getting Groovy with the Spring Boot CLI Applying Grails in Spring Boot Taking a peek inside with the Actuator Deploying Spring Boot applications APPENDIXES Spring Boot developer tools Spring Boot starters Configuration properties Spring Boot dependencies

## Virtualization Essentials

In agile development practices, developers need to integrate their work frequently to fix bugs or to create a new feature or functionality. To integrate all work efficiently and verify it is an error-prone and time-consuming manual task. Jenkins is used specifically for continuous integration, helping to enforce the principles of agile development. This book begins by tackling the installation of the necessary software dependencies and libraries you'll need to perform continuous integration for a Java application. From there, you'll integrate code repositories, applications, and build tools for the implementation of continuous integration. Finally, you'll explore the automated deployment of an application in Tomcat, along with details on managing and configuring Jenkins based on your requirements by using plugins.

## Blueprint to a Billion

What is this book about? Tomcat is an open source web server that processes JavaServer Pages and Java Servlets. It can run as a stand-alone server or be integrated with Apache. Like Apache, the core Tomcat program is relatively simple, but there are many enhancements that can be added to make it much more complex. What does this book cover? You will learn

how to integrate Tomcat with the Apache HTTP server (and the situations when you should and you shouldn't), how to set up database connectivity through JDBC, and how to ensure your web applications are secure. This book will provide you, the server administrator, with the necessary knowledge to install and configure Tomcat, as well as many of the most popular enhancements to the Tomcat package. It will help you plan the installation and possible growth options of your site. Here are just a few of the things you'll find covered in this book: Tomcat 3.x, Tomcat 4.0.x, and Tomcat 4.1.x The Tomcat architecture Tomcat installation and configuration Apache and Tomcat integration using the AJP and WARP connectors Tomcat security with SSL, realms, and the Java Security Manager Shared Tomcat hosting, server load testing, and load balancing Managing and administering web applications JDBC with Tomcat Ant and Log4j It will also cover some of the tools that can be integrated with Tomcat, such as Ant (for automatically building web applications) and Log4J (for advanced logging). Who is this book for? This book is for professionals working with Java web applications. It assumes a certain knowledge of the JSP and Servlet technologies, but only from an administrator's point of view. Knowledge of databases, XML, HTML, networking, and general administrative techniques is also assumed.

## Essential GWT

It takes a book as versatile as its subject to cover Apache Tomcat, the popular open source Servlet and JSP container and high performance web server. Tomcat: The Definitive Guide is a valuable reference for administrators and webmasters, a useful guide for programmers who want to use Tomcat as their web application server during development or in production, and an excellent introduction for anyone interested in Tomcat. Updated for the latest version of Tomcat, this new edition offers a complete guide to installing, configuring, maintaining and securing this servlet container. In fact, with such a wealth of new information, this is essentially a new book rather than a simple revision. You will find details for using Tomcat on all major platforms, including Windows, Linux, OS X, Solaris, and FreeBSD, along with specifics on Tomcat configuration files, and step-by-step advice for deploying and running web applications. This book offers complete information for: Installation and startup procedures Configuring Tomcat-including realms, roles, users, servlet sessions, and JNDI resources including JDBC DataSources Deploying web applications-individual servlets and JSP pages, and web application archive files Tuning Tomcat to measure and improve performance Integrating Tomcat with Apache Web Server Securing Tomcat to keep online thugs at bay Tomcat configuration files-server.xml and web.xml, and more Debugging and Troubleshooting-diagnosing problems with Tomcat or a web application Compiling your own Tomcat, rather than using the pre-built release Running two or more Tomcat servlet containers in parallel This book also offers an overview of the Tomcat open source project's community resources, including docs, mailing lists, and more. Community interest fueled a strong demand for a Tomcat guide from O'Reilly. The result clearly exceeds expectations.

## Apache Tomcat 7

Microsoft Azure Essentials from Microsoft Press is a series of free ebooks designed to help you advance your technical skills with Microsoft Azure. The first ebook in the series, Microsoft Azure Essentials: Fundamentals of Azure, introduces developers and IT professionals to the wide range of capabilities in Azure. The authors - both Microsoft MVPs in Azure - present both conceptual and how-to content for key areas, including: Azure Websites and Azure Cloud Services Azure Virtual Machines Azure Storage Azure Virtual Networks Databases Azure Active Directory Management tools Business scenarios Watch Microsoft Press's blog and Twitter (@MicrosoftPress) to learn about other free ebooks in the "Microsoft Azure Essentials" series.

## Spring Cookbook

Explore the great features of the all-new JIRA 7 to manage projects and effectively handle bugs and software issues About This Book Updated for JIRA 7, this book covers all the new features introduced in JIRA 7 with a dedicated chapter on JIRA Service Desk—one of the biggest new add-ons to JIRA This book lays a strong foundation to work with agile projects in JIRA from both the administrator and end user's perspective Work through step-by-step exercises at the end of each chapter for you to try out and reinforce your skills Who This Book Is For This book will be especially useful for project managers but it's also intended for other JIRA users, including developers, and any other industry besides software development, who would like to leverage JIRA's powerful task management and workflow features to better manage their business processes. What You Will Learn Understand JIRA's data hierarchy and how to design and work with projects in JIRA Plan and set up a new JIRA 7 instance from scratch for production use Using JIRA for agile software projects, business process management, customer service support, and more Understand issues and work with them Design both system and custom fields to behave differently under different contexts Create and design your own screens and apply them to different project and issue types Gain an understanding of the workflow and its various components Set up both incoming and outgoing mail servers to work with e-mails In Detail Atlassian JIRA is an enterprise-issue tracker system. One of its key strengths is its ability to adapt to the needs of the organization, ranging from building Atlassian application interfaces to providing a platform for add-ons to extend JIRA's capabilities. JIRA 7 Essentials, now in its fourth edition, provides a comprehensive explanation covering all major components of JIRA 7, which includes JIRA Software, JIRA Core, and JIRA Service Works. The book starts by explaining how to plan and set up a new JIRA 7 instance from scratch for production use before moving on to the more key features such as e-mails, workflows, business processes, and so on. Then you will understand JIRA's data hierarchy and how to design and work with projects in JIRA. Issues being the corner stone of using JIRA, you will gain a deep understanding of issues and their purpose. Then you will be introduced to fields and how to use custom fields for more effective data collections. You will then learn to create new screens from scratch and customize it to suit your needs. The book then covers workflows and business processes, and you will also be able to set up both incoming and outgoing mail servers to work with e-mails. Towards the end, we explain JIRA's security model and introduce you to one of JIRA's new add-ons: JIRA

Service Desk, which allows you to run JIRA as a computer support portal. Style and approach This is a comprehensive, practical guide on using JIRA to efficiently manage all your projects. It provides clear, step-by-step explanations, and shows how you can use the various features of JIRA to manage your projects more efficiently.

## **Jenkins Essentials**

Tomcat is the official reference implementation of Sun's servlet and JSP specifications, and Java developers must test all Web applications on Tomcat to ensure they work as designed Boasting more than 40 percent new and updated material, this book covers all the major new features affecting server administration and management Explores the additional built-in tools of Tomcat, which help Java developers program more efficiently, and looks at how Apache's other open source servlet/JSP technologies are designed to work with Tomcat Features full coverage of Release 6, which supports the latest JSP and servlet specifications: JSP 2.1 and Servlets 2.5 Addresses solving real-world problems encountered during all phases of server administration, including managing class loaders and connectors, security, shared hosting and clustering, and system testing

## **Learning ELK Stack**

JavaServer Pages (JSP) is harmonizing how web designers and programmers create dynamic web pages. The reason for this is simple: JSP capitalizes on the power of Java servlets to create effective, reusable web applications.JSP allows you to develop robust, powerful web content, and the best part is that you're not required to be a hard-core Java programmer.JavaServer Pages Pocket Reference is the perfect companion volume to O'Reilly's best-selling JavaServer Pages, also by Hans Bergsten. This book provides detailed coverage of JSP syntax and processing, directive elements, standard action elements, scripting elements, implicit objects, custom actions, tag library description creation, and WARs.

## **Fowler**

Apache Tomcat is the most popular open-source de-facto Java Web application server, standard for today's Web developers using JSP/Servlets. Apache Tomcat 7 covers details on installation and administration of Apache Tomcat 7. It explains key parts of the Tomcat architecture, and provides an introduction to Java Servlet and JSP APIs in the context of the Apache Tomcat server. In addition to basic concepts and administration tasks, Apache Tomcat 7 covers some of the most frequently used advanced features of Tomcat, including security, Apache web server integration, load balancing, and embedding Tomcat server in Java applications. Finally, through a practical primer, it shows how to integrate and use some of the most popular Java technologies with Apache Tomcat. In summary, Apache Tomcat 7 offers both novice and intermediate Apache

Tomcat users a practical and comprehensive guide to this powerful software.

## **Getting Started with Eclipse Juno**

Unleash the power of Apache Oozie to create and manage your big data and machine learning pipelines in one go About This Book Teaches you everything you need to know to get started with Apache Oozie from scratch and manage your data pipelines effortlessly Learn to write data ingestion workflows with the help of real-life examples from the author's own personal experience Embed Spark jobs to run your machine learning models on top of Hadoop Who This Book Is For If you are an expert Hadoop user who wants to use Apache Oozie to handle workflows efficiently, this book is for you. This book will be handy to anyone who is familiar with the basics of Hadoop and wants to automate data and machine learning pipelines. What You Will Learn Install and configure Oozie from source code on your Hadoop cluster Dive into the world of Oozie with Java MapReduce jobs Schedule Hive ETL and data ingestion jobs Import data from a database through Sqoop jobs in HDFS Create and process data pipelines with Pig, hive scripts as per business requirements. Run machine learning Spark jobs on Hadoop Create quick Oozie jobs using Hue Make the most of Oozie's security capabilities by configuring Oozie's security In Detail As more and more organizations are discovering the use of big data analytics, interest in platforms that provide storage, computation, and analytic capabilities is booming exponentially. This calls for data management. Hadoop caters to this need. Oozie fulfils this necessity for a scheduler for a Hadoop job by acting as a cron to better analyze data. Apache Oozie Essentials starts off with the basics right from installing and configuring Oozie from source code on your Hadoop cluster to managing your complex clusters. You will learn how to create data ingestion and machine learning workflows. This book is sprinkled with the examples and exercises to help you take your big data learning to the next level. You will discover how to write workflows to run your MapReduce, Pig ,Hive, and Sqoop scripts and schedule them to run at a specific time or for a specific business requirement using a coordinator. This book has engaging real-life exercises and examples to get you in the thick of things. Lastly, you'll get a grip of how to embed Spark jobs, which can be used to run your machine learning models on Hadoop. By the end of the book, you will have a good knowledge of Apache Oozie. You will be capable of using Oozie to handle large Hadoop workflows and even improve the availability of your Hadoop environment. Style and approach This book is a hands-on guide that explains Oozie using real-world examples. Each chapter is blended beautifully with fundamental concepts sprinkled in-between case study solution algorithms and topped off with self-learning exercises.

## **Spring Boot in Action**

Build mesmerizing visualizations, analytics, and logs from your data using Elasticsearch, Logstash, and Kibana About This Book Solve all your data analytics problems with the ELK stack Explore the power of Kibana4 search and visualizations built

over Elasticsearch queries and learn about the features and plugins of Logstash Develop a complete data pipeline using the ELK stack Who This Book Is For If you are a developer or DevOps engineer interested in building a system that provides amazing insights and business metrics out of data sources, of various formats and types, using the open source technology stack that ELK provides, then this book is for you. Basic knowledge of Unix or any programming language will be helpful to make the most out of this book. What You Will Learn Install, configure, and run Elasticsearch, Logstash, and Kibana Understand the need for log analytics and the current challenges in log analysis Build your own data pipeline using the ELK stack Familiarize yourself with the key features of Logstash and the variety of input, filter, and output plugins it provides Build your own custom Logstash plugin Create actionable insights using charts, histograms, and quick search features in Kibana4 Understand the role of Elasticsearch in the ELK stack In Detail The ELK stack—Elasticsearch, Logstash, and Kibana, is a powerful combination of open source tools. Elasticsearch is for deep search and data analytics. Logstash is for centralized logging, log enrichment, and parsing. Kibana is for powerful and beautiful data visualizations. In short, the Elasticsearch ELK stack makes searching and analyzing data easier than ever before. This book will introduce you to the ELK (Elasticsearch, Logstash, and Kibana) stack, starting by showing you how to set up the stack by installing the tools, and basic configuration. You'll move on to building a basic data pipeline using the ELK stack. Next, you'll explore the key features of Logstash and its role in the ELK stack, including creating Logstash plugins, which will enable you to use your own customized plugins. The importance of Elasticsearch and Kibana in the ELK stack is also covered, along with various types of advanced data analysis, and a variety of charts, tables, and maps. Finally, by the end of the book you will be able to develop full-fledged data pipeline using the ELK stack and have a solid understanding of the role of each of the components. Style and approach This book is a step-by-step guide, complete with various examples to solve your data analytics problems by using the ELK stack to explore and visualize data.

## **Web Services Essentials**

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This book provides quick recipes for using Hive to read data in various formats, efficiently querying this data, and extending Hive with any custom functions you may need to insert your own logic into the data pipeline. This book is written for data analysts and developers who want to use their current knowledge of SQL to be more productive with Hadoop. It assumes that readers are comfortable writing SQL queries and are familiar with Hadoop at the level of the classic WordCount example.

## **Essentials of Application Development on IBM Cloud**

Master the fundamentals of Gradle using real-world projects with this quick and easy-to-read guide About This Book Write beautiful build scripts for various types of projects effortlessly Become more productive by harnessing the power and

elegance of the Gradle DSL Learn how to use Gradle quickly and effectively with this step-by-step guide Who This Book Is For This book is for Java and other JVM-based language developers who want to use Gradle or are already using Gradle on their projects. No prior knowledge of Gradle is required, but some familiarity with build-related terminologies and an understanding of the Java language would help. What You Will Learn Master the Gradle DSL by identifying the building blocks Learn just enough Groovy for Gradle Set up tests and reports for your projects to make them CI ready Create library, stand-alone, and web projects Craft multi-module projects quickly and efficiently Migrate existing projects to a modern Gradle build Extract common build logic into plugins Write builds for languages like Java, Groovy, and Scala In Detail Gradle is an advanced and modern build automation tool. It inherits the best elements of the past generation of build tools, but it also differs and innovates to bring terseness, elegance, simplicity, and the flexibility to build. Right from installing Gradle and writing your first build file to creating a fully-fledged multi-module project build, this book will guide you through its topics in a step-by-step fashion. You will get your hands dirty with a simple Java project built with Gradle and go on to build web applications that are run with Jetty or Tomcat. We take a unique approach towards explaining the DSL using the Gradle API, which makes the DSL more accessible and intuitive. All in all, this book is a concise guide to help you decipher the Gradle build files, covering the essential topics that are most useful in real-world projects. With every chapter, you will learn a new topic and be able to readily implement your build files. Style and approach This step-by-step guide focuses on being productive with every chapter. When required, topics are explained in-depth to give you a good foundation of the Gradle fundamentals. The book covers most aspects of builds required for conventional JVM-based projects, and when necessary, points you towards the right resources.

## **JavaServer Pages Pocket Reference**

As a developer new to Web Services, how do you make sense of this emerging framework so you can start writing your own services today? This concise book gives programmers both a concrete introduction and a handy reference to XML web services, first by explaining the foundations of this new breed of distributed services, and then by demonstrating quick ways to create services with open-source Java tools. Web Services make it possible for diverse applications to discover each other and exchange data seamlessly via the Internet. For instance, programs written in Java and running on Solaris can find and call code written in C# that run on Windows XP, or programs written in Perl that run on Linux, without any concern about the details of how that service is implemented. A common set of Web Services is at the core of Microsoft's new .NET strategy, Sun Microsystems's Sun One Platform, and the W3C's XML Protocol Activity Group. In this book, author Ethan Cerami explores four key emerging technologies: XML Remote Procedure Calls (XML-RPC) SOAP - The foundation for most commercial Web Services development Universal Discovery, Description and Integration (UDDI) Web Services Description Language (WSDL) For each of these topics, Web Services Essentials provides a quick overview, Java tutorials with sample code, samples of the XML documents underlying the service, and explanations of freely-available Java APIs. Cerami also

includes a guide to the current state of Web Services, pointers to open-source tools and a comprehensive glossary of terms. If you want to break through the Web Services hype and find useful information on these evolving technologies, look no further than Web Services Essentials.

## **Apache Tomcat 7 User Guide**

This book is ideal for developers who have some experience in Java application development as well as some basic knowledge of test doubles and JUnit testing. This book also introduces you to the fundamentals of JUnit testing, test doubles, refactoring legacy code, and writing JUnit tests for GWT and web services.

## **Java EE 7 Essentials**

Atlassian Confluence 5 Essentials is written in a friendly, tutorial style packed full of practical information to help get you started with Confluence and collaborating on projects more efficiently. If you just started with Confluence, as a user or administrator, this book will give you a running start and teach you everything you need to know. This book will also appeal to veteran users as it will give you new insights and tricks for how to use Confluence even more efficiently. All you need to get started with this book is some basic knowledge on how to use an Internet browser. As an administrator, you will need some basic knowledge about your organization's standard operating environment to install Confluence.

## **GitHub Essentials**

JavaFX is a software platform to create and deliver rich Internet applications (RIAs) that can run across a wide variety of devices. JavaFX Essentials will help you to design and build high performance JavaFX 8-based applications that run on a variety of devices. Starting with the basics of the framework, it will take you all the way through creating your first working application to discovering the core and main JavaFX 8 features, then controlling and monitoring your outside world. The examples provided illustrate different JavaFX and Java SE 8 features. This guide is an invaluable tutorial if you are planning to develop and create JavaFX 8 applications to run on a variety of devices and platforms.

## **Jira 8 Essentials**

Praise for BLUEPRINT TO A BILLION "A wonderful, well thought out analysis of entrepreneurship and leadership of a growth company." —Howard Lester, Chairman, Williams-Sonoma, Inc. "If you dream about growing your business to a billion, this is a fascinating down-to-earth study that you must read. Apply the seven essential principles to your business and you are off

and running. Learn about strategy, growth, leadership, team building, and a whole lot more." —Joe Scarlett, Chairman of the Board, Tractor Supply Company "Blueprint to a Billion is a well-researched and thoughtfully written book that quantifies the growth pattern of America's highest growth companies." —Professor John Quelch, Senior Associate Dean, Harvard Business School "Eighty percent of the top-performing stocks in the last twenty years were small entrepreneurial companies that had an IPO in the prior eight years. Blueprint to a Billion tells you the seven key things these innovators did in common to become America's greatest growth companies." —William J. O'Neil, Chairman and Founder Investor's Business Daily, [www.investors.com](http://www.investors.com) "Thomson has written a masterful work that will catalyze, empower, inspire, motivate, and illuminate entrepreneurs, investors, and policymakers. The world needs this book and will profit from it in manifold ways." —David M. Darst, Managing Director, Individual Investor Group Chief Investment Strategist, Morgan Stanley

## **PostGIS Essentials**

Scaling Java enterprise applications beyond just programming techniques--this is the next level. This volume covers all the technologies Java developers need to build scalable, high-performance Web applications. The book also covers servlet-based session management, EJB application logic, database design and integration, and more.

## **Professional Apache Tomcat**

Get started with the essentials of Apache Maven and get your build automation system up and running quickly About This Book Explore the essentials of Apache Maven essentials to arm yourself with all the ingredients needed to develop a comprehensive build automation system Identify the extension points in Apache Maven and learn more about them in-depth Improve developer productivity by optimizing the build process with best practices in Maven using this compact guide Who This Book Is For The book is ideal for for experienced developers who are already familiar with build automation, but want to learn how to use Maven and apply its concepts to the most difficult scenarios in build automation. What You Will Learn Comprehend the key concepts in Apache Maven Build your own custom plugins and get to know how Maven extension points are used Troubleshoot build issues with greater confidence Optimize Maven's configuration settings Write custom lifecycles and extensions Get hands-on and create a Maven assembly Explore the best practices to design a build system that improves developer productivity In Detail Maven is the #1 build tool used by developers and it has been around for more than a decade. Maven stands out among other build tools due to its extremely extensible architecture, which is built on of the concept of convention over configuration. It's widely used by many open source Java projects under Apache Software Foundation, Sourceforge, Google Code, and more. Maven Essentials is a fast-paced guide to show you the key concepts in Maven and build automation. We get started by introducing you to Maven and exploring its core concepts and architecture. Next, you will learn about and write a Project Object Model (POM) while creating your own Maven project.

You will also find out how to create custom archetypes and plugins to establish the most common goals in build automation. After this, you'll get to know how to design the build to prevent any maintenance nightmares, with proper dependency management. We then explore Maven build lifecycles and Maven assemblies. Finally, you will discover how to apply the best practices when designing a build system to improve developer productivity. Style and approach This book is a practical and compact guide that will show you how to use Apache Maven in an optimal way to address enterprise build requirements. It provides technical guidance to get you started with Maven and build automation.

## **SVG Essentials**

This IBM® Redbooks® publication is designed to teach university students and app developers the foundation skills that are required to develop, test, and deploy cloud-based applications on IBM Cloud. It shows the latest features of IBM Cloud for developing cloud applications, enhancing applications by using managed services, and the use of DevOps services to manage applications. This book is used as presentations guide for the IBM Skills Academy track Cloud Application Developer and as preparation material for the IBM professional certification exam IBM Certified Application Developer - Cloud Platform. The primary target audience for this course is university students in undergraduate computer science and computer engineer programs with no previous experience working in cloud environments. However, anyone new to cloud computing or IBM Cloud can also benefit from this course.

## **Apache Oozie Essentials**

Explore the new and improved Jira 8 features such as agile board and advanced search for efficient project management Key Features Work on agile projects in Jira from both the administrator and end user's perspective Explore the improved Scrum and Kanban board and backlog Work through exercises at the end of each chapter to reinforce your skills Book Description Atlassian Jira enables effective bug tracking for your software and mobile applications and provides tools to track and manage tasks for your projects. Jira Essentials is a comprehensive guide, now updated to Jira 8 to include enhanced features such as updates to Scrum and Kanban UI, additional search capabilities, and changes to Jira Service Desk. The book starts by explaining how to plan and set up a new Jira 8 instance from scratch before getting you acquainted with key features such as emails, workflows, business processes, and much more. You'll then understand Jira's data hierarchy and how to design and work with projects. Since Jira is used for issue management, this book delves into the different issues that can arise in your projects. You'll explore fields, including custom fields, and learn to use them for more effective data collection. You'll create new screens from scratch and customize them to suit your requirements. The book also covers workflows and business processes, and guides you in setting up incoming and outgoing mail servers. Toward the end, you'll study Jira's security model and Jira Service Desk, which allows you to run Jira as a support portal. By the end

of this Jira book, you will be able to implement Jira 8 in your projects with ease. What you will learn Understand Jira's data hierarchy and how to design and work with projects in Jira Use Jira for agile software projects, business process management, customer service support, and more Understand issues and work with them Design both system and custom fields to behave differently under different contexts Create and design your own screens and apply them to different project and issue types Gain an understanding of the workflow and its various components Set up both incoming and outgoing mail servers to work with e-mails Who this book is for This book will be especially useful for project managers but it's also intended for other Jira users, including developers, and any other industry besides software development, who would like to leverage Jira's powerful task management and workflow features to better manage their business processes.

## **Tomcat: The Definitive Guide**

This book is for you if you have some experience with Java and web development (not necessarily in Java) and want to become proficient quickly with Spring.

## **Maven Essentials**

Scalable Vector Graphics -- or SVG -- is the new XML-based graphics standard from the W3C that will enable Web documents to be smaller, faster and more interactive. J. David Eisenberg's insightful book takes you through the ins and outs of SVG, beginning with basics needed to create simple line drawings and then moving through more complicated features like filters, transformations, and integration with Java, Perl, and XSLT. Unlike GIFs, JPEGs or PNGs (which are bitmapped), SVG images are both resolution- and device-independent, so that they can scale up or down to fit proportionally into any size display or any Internet device -- from PDAs to large office monitors and high-resolution printers. Smaller than bitmapped files and faster to download, SVG images can be rendered with different CSS styles for each environment. They work well across a range of available bandwidths. SVG makes it possible for designers to escape the constant need to update graphics by hand or use custom code to generate bitmap images. And while SVG was created with the Web in mind, the language has a variety of other uses. SVG greatly simplifies tasks like: Creating web sites whose graphics reflect the content of the page, changing automatically if the content changes Generating graphs and charts from information stored in a wide variety of sources Exchanging detailed drawings, from architectural plans to CAD layouts to project management diagrams Creating diagrams that users can explore by zooming in and panning around Generating bitmap images for use in older browsers using simple automatable templates Managing graphics that support multiple languages or translations Creating complex animation By focusing sharply on the markup at the foundation of SVG, SVG Essentials gives you a solid base on which to create your own custom tools. Explanations of key technical tools -- like XML, matrix math, and scripting -- are included as appendices, along with a reference to the SVG vocabulary. Whether you're a

graphic designer in search of new tools or a programmer dealing with the complex task of creating and managing graphics, SVG Essentials provides you with the means to take advantage of SVG.

## **Java Web Services: Up and Running**

Developing Web Applications with Oracle ADF Essentials covers the basics of Oracle ADF and then works through more complex topics such as debugging and logging features and JAAS Security in JDeveloper as the reader gains more skills. This book will follow a tutorial approach, using a practical example, with the content and tasks getting harder throughout. "Developing Web Applications with Oracle ADF Essentials" is for you if you want to build modern, user-friendly web applications for all kinds of data gathering, analysis, and presentations. You do not need to know any advanced HTML or JavaScript programming. Business logic can be implemented by adding Java code at well-defined hook points, so you do not need to know advanced object-oriented programming-regular Java programming skills are enough.

## **Apache Tomcat 7 Essentials**

The Only Complete Guide and Reference for NetBeans(TM) IDE 5.0 The award-winning NetBeans(TM) IDE eases all aspects of Java application development, incorporating a wide range of powerful features into one well-designed package. NetBeans IDE is consistently first in supporting the latest Java technologies for developing desktop, web, enterprise, and mobile applications. "NetBeans(TM) IDE Field Guide" provides an introduction to the IDE and an extensive range of topics to help you with both everyday and advanced programming tasks, including Taking advantage of the Ant-based project system to create easily deployable projects Developing web applications with the built-in Apache Tomcat web server Constructing, assembling, and verifying large-scale Java EE applications Managing the Sun Java System Application Server through NetBeans IDE Developing mobile applications with the NetBeans Mobility Pack In this expanded second edition, you can also learn how to Build powerful and attractive desktop applications with the Matisse GUI Builder Profile your applications for performance issues Develop modules for NetBeans IDE and rich-client applications based on the NetBeans Platform Chat and share code with other developers using the NetBeans Collaboration Modules

## **Professional Apache Tomcat 6**

A practical book filled with advanced recipes as well as plenty of code and real-life examples which will make your learning curve quick and easy. If you are a software developer who wants to develop distributed applications based on messaging [BISAC]; then this book is for you. It's assumed that you have some experience with multithreading applications and distributed applications. You are also expected to know the basic concepts of Web and cloud applications in order to follow

the recipes effectively.

## **JavaFX Essentials**

This example-driven book offers a thorough introduction to Java's APIs for XML Web Services (JAX-WS) and RESTful Web Services (JAX-RS). Java Web Services: Up and Running takes a clear, pragmatic approach to these technologies by providing a mix of architectural overview, complete working code examples, and short yet precise instructions for compiling, deploying, and executing an application. You'll learn how to write web services from scratch and integrate existing services into your Java applications. With Java Web Services: Up and Running, you will: Understand the distinction between SOAP-based and REST-style services Write, deploy, and consume SOAP-based services in core Java Understand the Web Service Definition Language (WSDL) service contract Recognize the structure of a SOAP message Learn how to deliver Java-based RESTful web services and consume commercial RESTful services Know security requirements for SOAP- and REST-based web services Learn how to implement JAX-WS in various application servers Ideal for students as well as experienced programmers, Java Web Services: Up and Running is the concise guide you need to start working with these technologies right away.

## **Building Scalable and High-performance Java Web Applications Using J2EE Technology**

Get up to speed on the principal technologies in the Java Platform, Enterprise Edition 7, and learn how the latest version embraces HTML5, focuses on higher productivity, and provides functionality to meet enterprise demands. Written by Arun Gupta, a key member of the Java EE team, this book provides a chapter-by-chapter survey of several Java EE 7 specifications, including WebSockets, Batch Processing, RESTful Web Services, and Java Message Service. You'll also get self-paced instructions for building an end-to-end application with many of the technologies described in the book, which will help you understand the design patterns vital to Java EE development. Understand the key components of the Java EE platform, with easy-to-understand explanations and extensive code samples Examine all the new components that have been added to Java EE 7 platform, such as WebSockets, JSON, Batch, and Concurrency Learn about RESTful Web Services, SOAP XML-based messaging protocol, and Java Message Service Explore Enterprise JavaBeans, Contexts and Dependency Injection, and the Java Persistence API Discover how different components were updated from Java EE 6 to Java EE 7

## **Instant Apache Hive Essentials How-To**

Apache Tomcat (or Jakarta Tomcat or simply Tomcat) is an open source servlet container developed by the Apache Software Foundation (ASF). Tomcat implements the Java Servlet and the JavaServer Pages (JSP) specifications.

## **Maven Essentials**

With Google Web Toolkit, Java developers can build sophisticated Rich Internet Applications (RIAs) and complete Web sites using the powerful IDEs and tools they already use. Now, with GWT 2, Google Web Toolkit has become even more useful. Essential GWT shows how to use this latest version of GWT to create production solutions that combine superior style, performance, and interactivity with exceptional quality and maintainability. Federico Kereki quickly reviews the basics and then introduces intermediate and advanced GWT skills, covering issues ranging from organizing projects to compiling and deploying final code. Throughout, he focuses on best-practice methodologies and design patterns. For example, you'll learn how to use the MVP (model-view-presenter) pattern to improve application design and support automated testing for agile development. Kereki illuminates each concept with realistic code examples that help developers jump-start their projects and get great results more quickly. Working with the latest versions of open source tools such as Eclipse, Subversion, Apache, Tomcat, and MySQL, he demonstrates exactly how GWT fits into real Web development environments. Coverage includes Using the Google Plugin for Eclipse and the GWT Shell Script Detecting and working with browsers—and solving the problems they cause Building better user interfaces with the MVP pattern Using APIs for visualization, mapping, weather data, and more Internationalizing and localizing GWT code Securing GWT applications with cryptography, hashing, and encryption Testing with JUnit, Emma, GWTestcase, Selenium, and Mock Objects Deploying client-only and client-plus-server GWT applications

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