

Pro Apache Jmeter Web Application Performance Testing

Pro Apache JMeterWeb Application Performance TestingApres

Web Services Testing with soapUI starts with an overview of SOA and web services testing, and gets your hands dirty with a sample project which makes use of open source web service engine, Apache Axis2. All demonstrations and hands-on exercises are based on this sample project. This book is a practical and comprehensive tutorial for easy and efficient web services testing to build high quality service-oriented solutions. This book directly targets software quality assurance professionals, software project managers, and software developers interested in automated or manual testing of web services and SOA. Whether you are a seasoned SOA professional or a novice user, with this book you'll learn to effectively use soapUI in testing service-oriented solutions for functional as well as non-functional web services.

This book offers the latest research and new perspectives on Interactive Collaborative Learning and Engineering Pedagogy. We are currently witnessing a significant transformation in education, and in order to face today's real-world challenges, higher education has to find innovative ways to quickly respond to these new needs. Addressing these aspects was the chief aim of the 21st International Conference on Interactive Collaborative Learning (ICL2018), which was held on Kos Island, Greece from September 25 to 28, 2018. Since being founded in 1998, the conference has been devoted to new approaches in learning, with a special focus on collaborative learning. Under the ICL conferences offer a forum for exchanging information on relevant trends and research results, as well as sharing practical experiences in learning and engineering pedagogy. This book includes papers in the fields of: * Collaborative Learning * Computer Aided Language Learning (CALL) * Educational Virtual Environments * Engineering Pedagogy Education * Game based Learning * K-12 and Pre-College Programs * Mobile Learning Environments: Applications It will benefit a broad readership, including policymakers, educators, researchers in pedagogy and learning theory, school teachers, the learning industry, further education lecturers, etc.

The volume presents high quality research papers presented at Second International Conference on Information and Communication Technology for Intelligent Systems (ICICC 2017). The conference was held during 2-4 August 2017, Pune, India and organized communally by Dr. Vishwanath Karad MIT World Peace University, Pune, India at MIT College of Engineering, Pune and supported by All India Council for Technical Education (AICTE) and Council of Scientific and Industrial Research (CSIR). The volume contains research papers focused on ICT for intelligent computation, communications and audio, and video data processing.

Professional Java Tools for Extreme Programming

IBM HTTP Server on z/OS: Migrating from Domino-powered to Apache-powered

Hard Problems in Software Testing

JMeter Cookbook

Beginning JavaServer Pages

The Challenges of the Digital Transformation in Education

Users of IBM® z/OS® for the past several years had a choice of two HTTP Servers that they can use. Now, one server became strategic while the other is no longer supported with z/OS V2.2. IHS powered by Apache supports IPv6 and 64-bit execution and includes security authentication and authorization capabilities that are similar to those capabilities that are provided in IHS powered by IBM Domino®. This IBM Redpaper™ publication is aimed at technicians who are responsible for planning and deploying system software. It provides information on about the various features that are available in IBM HTTP Server powered by Apache. It also provides guidance about how to upgrade from the old product to the new product.

* JZEE v1.0 JSP 2 will be latest first book that contains JSP 2.1 that's in the new JZEE 5 platform. * Covers integration and use with open source projects such as Apache Struts, Ant, XDoclet, JUnit, and Cactus. It also includes all the rich features of JSP 2 as well as adds JavaServer Faces (JSF) interoperability and integration with JSP. * Shows the reader best persistence options, security means, performance optimization, and design patterns and best practices.

This book summarizes the current hard problems in software testing as voiced by leading practitioners in the field. The problems were identified through a series of workshops, interviews, and surveys. Some of the problems are timeless, such as education and training, while others such as system security have recently emerged as increasingly important. The book also provides an overview of the current state of Testing as a Service (TaaS) based on an exploration of existing commercial offerings and a survey of academic research. TaaS is a relatively new development that offers software testers the elastic computing capabilities and generous storage capacity of the cloud on an as-needed basis. Some of the potential benefits of TaaS include automated provisioning of test execution environments and support for rapid feedback in agile development via continuous regression testing. The book includes a case study of a representative web application and three commercial TaaS tools to determine which hard problems in software testing are amenable to a TaaS solution. The findings suggest there remains a significant gap that must be addressed before TaaS can be fully embraced by the industry, particularly in the areas of tester education and training and a need for tools supporting more types of testing. The book includes a roadmap for enhancing the capabilities of TaaS between potential benefits and actual results. Table of Contents: Introduction / Hard Problems in Software Testing / Testing as a Service (TaaS) / Case Study and Gap Analysis / Summary / Appendix A: Hard Problems in Software Testing Survey / Appendix B: Google App Engine Code Examples / Appendix C: Sabs Labs Code Examples / References / Author Biographies

Robert M. Grant combines a highly accessible writing style with a concentration on the fundamentals of value creation and an emphasis on practicality in this leading strategy text. In this new edition, he includes an even greater focus on strategy implementation that reflects the needs of firms to reconcile scale economies with entrepreneurial flexibility, innovation with cost efficiency, and globalization with local responsiveness. This edition also incorporates some of the key strategic issues of today including: post-financial crisis adjustment, the continuing rise of China, India and Brazil, and the increased emphasis on ethics and sustainability. Coverage is also provided on strategy in not-for-profit organizations. Contemporary Strategy Analysis, Text and Cases 8th Edition combines the text with an updated collection of 20 case studies. It is suitable for both MBA and advanced undergraduate students. Additional teaching resources are also available for instructors, including an instructor's manual, case teaching notes, test bank, teaching slides, case video clips and extra cases. All of these resources can be accessed via the companion website: www.contemporarystrategyanalysis.com

Pro Express.js

Professional Portal Development with Open Source Tools

First International Conference, ICAT 2019, Quito, Ecuador, December 3-5, 2019, Proceedings, Part I

Optimizing Java

Tomcat: The Definitive Guide

Performance Testing with JMeter 3

The expert guide to building Ruby on Rails applications Ruby on Rails strays complexity from the development process, enabling professional developers to focus on what matters most: delivering business value. Now, for the first time, there's a comprehensive, authoritative guide to building production-quality software with Rails. Pioneering Rails developer Obie Fernandez and a team of experts illuminate the entire Rails API, along with the Ruby idioms, design approaches, libraries, and plug-ins that make Rails so valuable. Drawing on their unsurpassed experience, they address the real challenges development teams face, showing how to use Rails' tools and best practices to maximize productivity and build polished applications users will enjoy. Using detailed code examples, Obie systematically covers Rails' key capabilities and subsystems. He presents advanced programming techniques, introduces open source libraries that facilitate easy Rails adoption, and offers important insights into testing and production deployment. Dive deep into the Rails codebase together, discovering why Rails behaves as it does—and how to make it behave the way you want it to. This book will help you increase your productivity as a web developer Realize the overall joy of programming with Ruby on Rails Learn what's new in Rails 2.0 Drive design and protect long-term maintainability with TestUnit and RSpec Understand and manage complex program flow in Rails controllers Leverage Rails' support for designing REST-compliant APIs Master sophisticated Rails routing concepts and techniques Examine and troubleshoot Rails routing Make the most of ActiveRecord object-relational mapping Utilize Ajax within your Rails applications Incorporate logins and authentication into your application Extend Rails with the best third-party plug-ins and write your own Integrate email services into your applications with ActionMailer Choose the right Rails production configurations

Style and Design with Capistrano

Performance tuning is an experimental science, but that doesn't mean engineers should resort to guesswork and folklore to get the job done. Yet that's often the case. With this practical book, intermediate to advanced Java technologists working with complex technology stacks will learn how to tune Java applications for performance using a quantitative, verifiable approach. Most resources on performance tend to discuss the theory and internals of Java virtual machines, but this book focuses on the practicalities of performance tuning by examining a wide range of aspects. There are no simple recipes, tips and tricks, or algorithms to learn. Performance tuning is a process of defining and determining desired outcomes. And it requires discipline. Learn how Java principles and technology make the best use of modern hardware and operating systems Explore several performance tests and common anti-patterns that can vex your team Understand the pitfalls of measuring Java performance numbers and the drawbacks of microbenchmarking Dive into JVM garbage collection logging, monitoring, tuning, and tools Explore JIT compilation and Java language performance techniques Learn performance aspects of the Java Collections API and get an overview of Java concurrency

Using Continuous Delivery, you can bring software into production more rapidly, with greater reliability. A Practical Guide to Continuous Delivery is a 100% practical guide to building Continuous Delivery pipelines that automate rollouts, improve reproducibility, and dramatically reduce risk. Eberhard Wolff introduces a proven Continuous Delivery technology stack, including Docker, Chef, Vagrant, Jenkins, Graphite, and Nagios, and provides step-by-step instructions for applying these technologies throughout build, continuous integration, load testing, acceptance testing, and monitoring. Wolff's start-to-finish example projects offer the basis for your own experimentation, pilot programs, and full-fledged deployments. A Practical Guide to Continuous Delivery is for everyone who wants to introduce Continuous Delivery, with or without DevOps. For managers, it introduces core processes, requirements, benefits, and technical consequences. Developers, administrators, and architects will gain essential skills for implementing and managing pipelines, and for integrating Continuous Delivery smoothly into project architectures and IT organizations. Understand the problems that Continuous Delivery solves, and how it solves them Establish an infrastructure for maximum software automation Leverage virtualization and Platform as a Service (PaaS) cloud solutions Implement build automation and continuous integration with Gradle, Maven, and Jenkins Perform static code reviews with SonarQube and repositories to store build artifacts Establish automated GUI and textual acceptance testing with behavior-driven design Ensure appropriate performance via capacity testing Check new features and problems with exploratory testing Minimize risk throughout automated production software rollouts Gather and analyze metrics and logs with Elasticsearch, Logstash, Kibana (ELK), and Graphite Manage the introduction of Continuous Delivery into your enterprise Architect software to facilitate Continuous Delivery of new capabilities

New edition of the proven Professional JSP – best selling JSP title at the moment. This is the title that others copy. * This title will coincide with the release of the latest version of the Java 2 Enterprise Edition, version 1.4. JavaServer Pages 2.0 is a core component of this new release. * One single text gives comprehensive coverage of JavaServer Pages, the enhancements in version 2.0, and the most popular associated technologies, including Servlets, JSTL and Apache Tomcat 5.

Mastering PHP 7

Proceedings of the 21st International Conference on Interactive Collaborative Learning (ICL2018) - Volume 1

Dr. Dobb's Journal of Software Tools for the Professional Programmer

Master performance testing with JMeter

Proceedings of 2nd International Conference, ICICC 2017

Performance Testing Guidance for Web Applications

This book is great for developers, quality assurance engineers, testers, and test managers new to Apache JMeter, or those who are looking to get a good grounding in how to effectively use and become proficient with JMeter. No prior testing experience is required.

A practical guide to help you understand the ability of Apache JMeter to load and performance test various server types in a more efficient way. About This Book Use JMeter to create and run tests to improve the performance of your webpages and applications Learn to build a test plan for your websites and analyze the results Unleash the power of various features and changes introduced in Apache JMeter This book is for software professionals who want to understand and improve the performance of their applications with Apache JMeter. What You Will Learn See why performance testing is necessary and learn how to set up JMeter Record and test with JMeter Handle various form inputs in JMeter and parse results during testing Manage user sessions in web applications in the context of a J2EE time Form distributed testing with JMeter Get acquainted with helpful tips and best practices for working with JMeter In Detail JMeter is a Java application designed to load and test performance for web application. JMeter extends to improve the functioning of various other static and dynamic resources. This book is a great starting point to learn about JMeter. It covers the new features in JMeter and how to use them for measuring your website performance. The book starts with the basics of performance testing and guides you through recording your first test scenario, before diving deeper into JMeter. You will also learn how to configure JMeter and browsers to help record test plans. Moving on, you will learn how to capture form submission in JMeter, dive into how to leverage some of the components provided by Apache JMeter to handle web application HTTP sessions. You will also learn how JMeter can help monitor tests in real-time. Further, you will go in depth into distributed testing and see how to leverage the capabilities of JMeter to accomplish this. You will get acquainted with some tips and best practices with regard to performance testing. By the end of the book, you will have learned how to take full advantage of the real power behind Apache JMeter. Style and approach The book is a practical guide starting with introducing the readers to the importance of automated testing. It will then be a beginner's journey from getting introduced to Apache JMeter to an in-detail discussion of more advanced features and possibilities with it.

Advanced Joomla! teaches you advanced techniques for customizing a Joomla! CMS, including creating templates, administration, and building extensions. It will provide the technical know-how and a bonanza of information that will allow you to take your Joomla! sites to the next level. Written by bestselling Joomla! author Dan Rahmel, Advanced Joomla! picks up right where Beginning Joomla! left off, and shows you how to integrate advanced features into your Joomla! site, including social networking, blogging, and Google and Yahoo! web services; construct advanced Joomla! templates that use multiple stylesheets; use advanced administration techniques; and employ MySQL data reporting, remote deployment, and quality control using automated testing. Advanced Joomla! assists content creators in all aspects of Joomla! content creation. For graphic artists and web designers, the professional template techniques and site organization information will prove invaluable. For developers who are weary of the often Byzantine documentation and hunger for clear organized information, Advanced Joomla! holds the key to unlocking the treasures of this advanced CMS system.

Tomcat 5.5 release 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 JSP developers 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 system testing

A Practical Guide to Continuous Delivery

The Definitive Guide

Advanced Joomla!

Building PHP Applications with Symfony, CakePHP, and Zend Framework

Pro Apache Tomcat 5/5.5

Professional Apache Tomcat 6

What is this book about? Open source technology enables you to build customized enterprise portal frameworks with more flexibility and fewer limitations. This book explains the fundamentals of a powerful set of open source tools and shows you how to use them. An outstanding team of authors provides a complete tutorial and reference guide to Java Portlet API, Lucene, James, and Slide, taking you step-by-step through constructing and deploying portal applications. You trace the anatomy of a search engine and understand the Lucene query syntax, set up Apache James configuration for a variety of servers, explore object to relational mapping concepts with Jakarta OJB, and acquire many other skills necessary to create JZEE portals uniquely suited to the needs of your organization. Loaded with code-intensive examples of portal applications, this book offers you the know-how to free your development process from the restrictions of pre-packaged solutions. What does this book cover? Here's what you will learn in this book: How to evaluate business requirements and plan the portal How to develop an effective browser environment How to provide a search engine, messaging, database inquiry, and content management services in an integrated portal application How to develop Web services for the portal How to monitor, test, and administer the portal How to create portlet applications compliant with the Java Portlet API How to reduce the possibility of errors while managing the portal to accommodate change How to plan for the next generation application portal Who is this book for? This book is for professional Java developers who have some experience in portal development and want to take advantage of the options offered by open source tools. Performance Testing Guidance for Web Applications provides an end-to-end approach for implementing performance testing. Whether you are new to performance testing or looking for ways to improve your current performance-testing approach, you will gain insights that you can tailor to your specific scenarios.

The first detailed, unbiased comparison of the three leading PHP frameworks Web developers have been eager for an impartial comparison of leading PHP frameworks so they can make educated decisions about the most effective tool for their needs. This guide uses Symfony, CakePHP, and Zend Framework to solve key problems, providing source code examples and comparisons for each. It explains the approach and reviews the similarities and differences in the three frameworks, providing reliable information on which to base your decisions. Symfony, CakePHP, and Zend Framework are considered the leading PHP frameworks; developers need an unbiased comparison to choose which one works best for their individual situations. This guide uses each framework to solve the same problems, illustrating the solutions with source code examples and working applications Covers wide range of topics, from installation and configuration to most advanced features like AJAX, web services and automated testing. Includes an appendix of new PHP frameworks, including CodeIgniter, Lithium, and Agavi Bestselling PHP author Elizabeth Noremor serves as technical editor Comparison of PHP Web Frameworks provides the impartial, side-by-side comparison that developers have been looking for.

Apache Ignite is one of the most widely used open source memory-centric distributed, caching, and processing platform. This allows the users to use the platform as an in-memory computing framework or a full functional persistence data stores with SQL and ACID transaction support. On the other hand, Apache Ignite can be used for accelerating existing Relational and NoSQL databases, processing events & streaming data or developing Microservices in fault-tolerant fashion. This book addressed anyone interested in learning in-memory computing and distributed database. This book intends to provide someone with little to no experience of Apache Ignite with an opportunity to learn how to use this platform effectively from scratch taking a practical hands-on approach to learning. Please see the table of contents for more details.

SOFTWARE TESTING - A Practical Approach

A Simple, Practical, Step-By-step Tutorial to Measure the Performance of Websites

Practical Techniques for Improving JVM Application Performance

JMeter by Example

Solutions Using Testing as a Service (TaaS)

Pro Apache Struts with Ajax

This thoroughly revised and updated book, now in its second edition, intends to be much more comprehensive book on software testing. The treatment of the subject in the second edition maintains to provide an insight into the practical aspects of software testing, along with the recent technological development in the field, as in the previous edition, but with significant additions. These changes are designed to provide in-depth understanding of the key concepts. Commencing with the introduction, the book builds up the basic concepts of quality and software testing. It then, elaborately discusses the various facets of verification and validation, methodologies of both static testing and dynamic testing of the software, covering the concepts of structured group examinations, control flow and data flow, unit testing, integration testing, system testing and acceptance testing. The text also focuses on the importance of the cost-benefit analysis of testing processes, test automation, object-oriented applications, client-server and web-based applications. The concepts of testing commercial off-the-shelf (COTS) software as well as object-oriented testing have been described in detail. Finally, the book brings out the underlying concepts of usability and accessibility testing. Career in software testing is also covered in the book. The book is intended for the undergraduate and postgraduate students of computer science and engineering for a course in software testing.

This book is great for you if you are a developer, quality assurance engineer, tester, or test manager who is looking to get a firmer grasp of elementary, deep, and advanced testing concepts using Apache JMeter. It's assumed you have access to a computer and an Internet connection. No prior testing or programming experience is required, but would be helpful.

In this book, the authors take an application-centric approach: the development of an application drives the Struts along with Ajax coverage, rather than the other way around. Chapter titles include: What We Do Wrong; Web Antipatterns Explained; Managing Business Logic with Struts; Architecting the Data Access Tier with ObjectRelationalBridge; Building Flexible Front-Ends with the Tiles Framework; Dynamic Forms using Ajax and the Struts Validator Framework; Speeding Struts Development with XDoclet, and Logging and Debugging. Appendices discuss JavaEdge setup, Struts development tools, and Apache Struts TlWebWork. The end result: you will learn to use Struts very effectively!

* Covers only Tomcat 5.5.5 release without explaining tasks on older versions; competitors still only offer Tomcat 4. * Focuses on administration, while competing books refresh JSP and Servlet development. * Solo author means a single voice. Competitors are all collaborations.

Web Application Performance Testing

Performance Testing With JMeter 2.9

Pivotal Certified Professional Core Spring 5 Developer Exam

Pro JSP

The Apache Ignite Book

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 softwareThe 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.

Pro Express.js is for the reader who wants to quickly get up-to-speed with Express.js, the flexible Node.js framework. Author Azat Mardan clearly explains how to start developing with Express.js with a basic "Hello World", and then delves into a deep API reference, before looking at common and abstract development problems. Lastly, you will learn how to build a series of real-world apps in order to cement your knowledge. In order to get the best from this book, you will be familiar with Node.js scripts and able to install packages using npm and the deep API aspect of the Express.js API is explained clearly with a simple exercise to demonstrate its usage. This includes configuration, settings and environments, different middleware and its uses; templating engines; extracting parameters and routing; request and response; error handling; and running an app. In the next part you'll delve into abstraction, streams, authentication, multithreading, Socket.io, security, and more complex modules. You will also learn about smaller frameworks built using Express.js, such as Sails.js, and Derby. Finally you'll build real-world apps including a REST API, Todo App, and Instagram gallery. Express.js is used by a range of well-known companies such as MySpace and Storify, and it's becoming more and more likely that it'll be a required skill for new developers. With this book you can skip learning via complicated documentation, and get the information from a developer who's been using Express.js for long enough to explain things well. Add Pro Express.js to your library today.

60-80% of Java developers require only simple Java Web applications. For these advanced, specialized users, the optimal deployment tool for simple Java-based Web applications is the open source Tomcat Web application server, which has graduated from Jakarta to become a topline Apache project. Apache Tomcat. Pro Apache Tomcat 6 fills an important need in the very large, very under-served Tomcat tech market. Unlike beginner manuals, this book wastes no time on Java or JSP introductions, and discusses JSP and Java code minimally. Instead, it gets right to the point and teaches you to use the newest Tomcat, version 6.

JMeter is the tool of choice when it comes to performance testing. While there is plenty of reference material on the Internet, there is no proper book to guide you through all the steps of creating, running and interpreting the results of performance testing using JMeter.

This book aims to address this need. This book discusses the basics and presents a framework for performance testing. You will be able to create performance testing plan that is relevant based on your requirements. This book follows step by step approach and guides you through the installation, configuration, test plan creation, execution and result interpretation using JMeter tool. This also presents a case study which explains, in great detail, on how JMeter can be used in all the aspects of performance testing in a typical project.

Performance Testing with JMeter - Second Edition

JavaPortlet API, Lucene, James, Slide

Web Services Testing with SoapUI

Pro Apache Tomcat 6

Master Apache JMeter - From Load Testing to DevOps

DevOps Bootcamp

Pass the Pivotal Certified Professional exam for Core Spring, based on the latest Spring Framework 5, using source code examples, study summaries, and mock exams. This book now includes WebFlux, reactive programming, and more found in Spring 5. You'll find a descriptive overview of certification-related Spring modules and a single example application demonstrating the use of all required Spring modules. Furthermore, in Pivotal Certified Professional Core Spring 5 Developer Exam, Second Edition, each chapter contains a brief study summary and question set, and the book's free downloadable source code package includes one mock exam (50 questions | like a real exam). After using this study guide, you will be ready to take and pass the Pivotal Certified Professional exam. When you become Pivotal Certified, you will have one of the most valuable credentials in Java. Pivotal certification helps you advance your skills and your career, and get the maximum benefit from Spring. Passing the exam demonstrates your understanding of Spring and validates your familiarity with: container-basics, aspect oriented programming (AOP), data access and transactions, Spring Security, Spring Boot, microservices, and Spring model-view-controller (MVC). Good luck! What You Will Understand the core concepts of Spring Framework 5Use dependency injectionWork with aspects in Spring and do AOP (aspect oriented programming)Control transactional behavior and work with SQL and NoSQL databasesCreate and secure web applications based on Spring MVCGet to know the format of the exam and the type of questions in iCreate Spring microservices applications Who This Book Is For Spring developers who have taken the Pivotal Core Spring class are eligible to take the Pivotal Certified Professional exam.

The Apache Tomcat server and related technologies give Java(TM) developers a rich set of tools to quickly build more sophisticated Web applications. Tomcat version 5 supports the latest JSP(TM) and Servlet specifications, JSP 2.0, and Servlets 2.4. This completely updated volume offers you a thorough education in Tomcat 5 as well as 4.1. You will learn to solve the problems that arise with installation and configuration, security, system testing, and more. This edition also introduces you to Tomcat clustering for planning and deploying installations in mission-critical production environments, and explores the new support for Tomcat in popular IDEs such as IntelliJ IDEA, Eclipse, NetBeans(TM)/Sun Java Studio, and JBuilder. You'll discover how to manage class loaders and Connectors, understand how to use IIS as a Web server front-end for Tomcat, examine JDBC-related issues in Tomcat, and be ready to put this technology to work. What you will learn from this book: Techniques and troubleshooting tips for installing JVM(TM) and Tomcat on Windows(R) and UNIX(R)/Linux(R) systemsDetailed Tomcat configuration, such as Access log administration, Single Sign-on across Web applications, request filtering, the Persistent Session Manager, and JavaMail(TM) session setupHow to resolve JDBC connectivity issues, including connection pooling, JNDI emulation, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and IIS with Tomcat to serve static contentA wide range of security issues, from securing Tomcat installations to configuring security policies for Web applications that run on themHow to virtual hosting Tomcat to serve multiple Web applications on a single Tomcat installationHow to use Tomcat clustering to embed Tomcat within custom applications Who is this book for? This book is for JZEE(TM) system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job. What is this book about? The Apache Tomcat server and related technologies give Java developers a rich set of tools to quickly build more sophisticated Web applications. Tomcat version 5 supports the latest JSP and Servlet specifications, JSP 2.0, and Servlets 2.4. This completely updated volume offers you a thorough education in Tomcat 5 as well as 4.1. What does this book cover? You will learn to solve the problems that arise with installation and configuration, security, system testing, and more. This edition also introduces you to Tomcat clustering for planning and deploying installations in mission-critical production environments, and explores the new support for Tomcat in popular IDEs, such as IntelliJ IDEA, Eclipse, NetBeans/Sun Java Studio, and JBuilder. You'll discover how to manage class loaders and Connectors, understand how to use IIS as a Web server front-end for Tomcat, examine JDBC-related issues in Tomcat, and be ready to put this technology to work. Here are some other things you'll learn from this book: Techniques and troubleshooting tips for installing JVM and Tomcat on Windows and UNIX/Linux systems Detailed Tomcat configuration, such as Access log administration, Single Sign-on across Web applications, request filtering, the Persistent Session Manager, and JavaMail session setupHow to resolve JDBC connectivity issues, including connection pooling, JNDI emulation, configuring a data source, and alternative JDBC configurations How to use Web servers like Apache and IIS with Tomcat to serve static contentA wide range of security issues, from securing Tomcat installations to configuring security policies for Web applications that run on them How to configure Tomcat for virtual hosting Tomcat to serve multiple Web applications deployed in Tomcat using the open source JMeter framework How to set up Tomcat clustering to provide scalability and high availability to Web applications Who is this book for? This book is for JZEE system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture.

Learn how to get the most out of JMeter, improve the productivity of your apps, and integrate JMeter with your Agile and DevOps processes. Key Features Gain insights into preparing test environments and selecting the correct use cases to load test Learn to analyze a load test Learn to analyze a load test with Backend Listener, HTML Report Dashboard, and View Results Tree Explore how to integrate JMeter in the software factory Book Description Load tests help identify the maximum number of requests a software system can handle. One popular open source tool for load testing is JMeter. By leveraging the features and capabilities of JMeter, you can perform extensive load testing and fix issues in your application before they become problematic. This book is written by JMeter developers and begins by discussing the whole process, including recording a script, setting it up, and launching it, enabling you to almost immediately start load testing. You'll learn the best practices that you must follow while designing test cases. You'll also explore the different protocols offered by JMeter through various real-world examples. Finally, you'll see how to integrate JMeter into the DevOps approach and create professional reports. You'll discover ways to use the eco-system of JMeter to integrate new protocols, enrich your existing Java data sources and applications with Flex-based RIAs. You'll begin with the essentials of BlazeDS and then move on to more advanced topics. Along the way, you'll learn the real-world concerns that surround enterprise-based Java and Flex applications. BlazeDS enables you to connect to back-end distributed data in order to garner more responsive Rich Internet Application (RIA) experiences Begins with an introduction to BlazeDS, and explains the necessary features for integrating new and existing Java data sources and applications with Flex-based RIAs Provides hands-on examples and address real-world concerns surrounding enterprise-based Java and Flex applications Serves as a comprehensive walk-through for creating RIAs using BlazeDS If you're looking to create rich, productive, and engaging applications, then this book is for you. Note: CD-ROM/DVD and other supplementary materials are not included in the book's price.

Pro Apache JMeter

A Study Guide Using Spring Framework 5

The Rails Way

Master Express.js: The Node.js Framework For Your Web Development

Sharpen your DevOps knowledge with DevOps BootcampAbout This Book "Improve your organization's performance to ensure smooth production of software and services." "Learn how Continuous Integration and Continuous Delivery practices can be utilized to cultivate the DevOps culture." A fast-paced guide filled with illustrations and best practices to help you consistently ship quality software. Who This Book Is ForThe book is aimed at IT Developers and Operations-administrators who want to quickly learn and implement the DevOps culture in their organization.What You Will Learn "Static Code Analysis using SonarQube" Configure a Maven-based JEE Web Application" Perform Continuous Integration using Jenkins and VSTS" Install and configure Docker" Converge a Chef node using a Chef workstation" Accomplish Continuous Delivery in Microsoft Azure VM and Microsoft Azure App Services (Azure Web Apps) using Jenkins" Perform Load Testing using Apache JMeter" Build and Release Automation using Visual Studio Team Services" Monitor Cloud-based resources" Detach DevOps Bootcamp delivers practical learning modules in manageable chunks. Each chunk is denoted in a day, and each day use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsWho This Book Is For JZEE(TM) system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job. What is this book about? The Apache Tomcat server and related technologies give Java developers a rich set of tools to quickly build more sophisticated Web applications. Tomcat version 5 supports the latest JSP and Servlet specifications, JSP 2.0, and Servlets 2.4. This completely updated volume offers you a thorough education in Tomcat 5 as well as 4.1. What does this book cover? You will learn to solve the problems that arise with installation and configuration, security, system testing, and more. This edition also introduces you to Tomcat clustering for planning and deploying installations in mission-critical production environments, and explores the new support for Tomcat in popular IDEs, such as IntelliJ IDEA, Eclipse, NetBeans/Sun Java Studio, and JBuilder. You'll discover how to manage class loaders and Connectors, understand how to use IIS as a Web server front-end for Tomcat, examine JDBC-related issues in Tomcat, and be ready to put this technology to work. Here are some other things you'll learn from this book: Techniques and troubleshooting tips for installing JVM and Tomcat on Windows and UNIX/Linux systems Detailed Tomcat configuration, such as Access log administration, Single Sign-on across Web applications, request filtering, the Persistent Session Manager, and JavaMail session setupHow to resolve JDBC connectivity issues, including connection pooling, JNDI emulation, configuring a data source, and alternative JDBC configurations How to use Web servers like Apache and IIS with Tomcat to serve static contentA wide range of security issues, from securing Tomcat installations to configuring security policies for Web applications that run on them How to configure Tomcat for virtual hosting Tomcat to serve multiple Web applications deployed in Tomcat using the open source JMeter framework How to set up Tomcat clustering to provide scalability and high availability to Web applications Who is this book for? This book is for JZEE system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture.

A hands-on guide to creating Rich Internet Applications (RIA) using BlazeDS BlazeDS enables you to easily connect to back-end distributed data and push data in real time to Adobe Flex and Adobe AIR applications in order to garner more responsive Rich Internet Application (RIA) experiences. It is a scalable option for Flex and Java integration and allows you to create excellent RIAs with both Flex and Java. This informative resource provides you with detailed examples and walkthroughs that explain the best practices for creating RIAs using BlazeDS. You'll begin with the essentials of BlazeDS and then move on to more advanced topics. Along the way, you'll learn the real-world concerns that surround enterprise-based Java and Flex applications. BlazeDS enables you to connect to back-end distributed data in order to garner more responsive Rich Internet Application (RIA) experiences Begins with an introduction to BlazeDS, and explains the necessary features for integrating new and existing Java data sources and applications with Flex-based RIAs Provides hands-on examples and address real-world concerns surrounding enterprise-based Java and Flex applications Serves as a comprehensive walk-through for creating RIAs using BlazeDS If you're looking to create rich, productive, and engaging applications, then this book is for you. Note: CD-ROM/DVD and other supplementary materials are not included in the book's price.

Pro Apache JMeter

A Study Guide Using Spring Framework 5

The Rails Way

Master Express.js: The Node.js Framework For Your Web Development

Sharpen your DevOps knowledge with DevOps BootcampAbout This Book "Improve your organization's performance to ensure smooth production of software and services." "Learn how Continuous Integration and Continuous Delivery practices can be utilized to cultivate the DevOps culture." A fast-paced guide filled with illustrations and best practices to help you consistently ship quality software. Who This Book Is ForThe book is aimed at IT Developers and Operations-administrators who want to quickly learn and implement the DevOps culture in their organization.What You Will Learn "Static Code Analysis using SonarQube" Configure a Maven-based JEE Web Application" Perform Continuous Integration using Jenkins and VSTS" Install and configure Docker" Converge a Chef node using a Chef workstation" Accomplish Continuous Delivery in Microsoft Azure VM and Microsoft Azure App Services (Azure Web Apps) using Jenkins" Perform Load Testing using Apache JMeter" Build and Release Automation using Visual Studio Team Services" Monitor Cloud-based resources" Detach DevOps Bootcamp delivers practical learning modules in manageable chunks. Each chunk is denoted in a day, and each day use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsHow to use Web servers like Apache and Flex applications, configuring a data source, and alternative JDBC(TM) configurationsWho This Book Is For JZEE(TM) system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job. What is this book about? The Apache Tomcat server and related technologies give Java developers a rich set of tools to quickly build more sophisticated Web applications. Tomcat version 5 supports the latest JSP and Servlet specifications, JSP 2.0, and Servlets 2.4. This completely updated volume offers you a thorough education in Tomcat 5 as well as 4.1. What does this book cover? You will learn to solve the problems that arise with installation and configuration, security, system testing, and more. This edition also introduces you to Tomcat clustering for planning and deploying installations in mission-critical production environments, and explores the new support for Tomcat in popular IDEs, such as IntelliJ IDEA, Eclipse, NetBeans/Sun Java Studio, and JBuilder. You'll discover how to manage class loaders and Connectors, understand how to use IIS as a Web server front-end for Tomcat, examine JDBC-related issues in Tomcat, and be ready to put this technology to work. Here are some other things you'll learn from this book: Techniques and troubleshooting tips for installing JVM and Tomcat on Windows and UNIX/Linux systems Detailed Tomcat configuration, such as Access log administration, Single Sign-on across Web applications, request filtering, the Persistent Session Manager, and JavaMail session setupHow to resolve JDBC connectivity issues, including connection pooling, JNDI emulation, configuring a data source, and alternative JDBC configurations How to use Web servers like Apache and IIS with Tomcat to serve static contentA wide range of security issues, from securing Tomcat installations to configuring security policies for Web applications that run on them How to configure Tomcat for virtual hosting Tomcat to serve multiple Web applications deployed in Tomcat using the open source JMeter framework How to set up Tomcat clustering to provide scalability and high availability to Web applications Who is this book for? This book is for JZEE system administrators and Java developers with responsibilities for Tomcat configuration, performance tuning, system security, or deployment architecture.

Effective, readable, and robust codes in PHP About This Book Leverage the newest tools available in PHP 7 to build scalable applications Embrace serverless architecture and the reactive programming paradigm, which are the latest additions to the PHP ecosystem Explore dependency injection and implement design patterns to write elegant code Who This Book Is ForThis book is for intermediate level developers who want to become a master of PHP. Basic knowledge of PHP is required across areas such as basic syntax, types, variables, constants, expressions, operators, control structures, and functions. What You Will Learn Gain the current state of PHP language and the PHP standards Effectively implement logging and error handling during development Build services through SOAP and REST and Apache Trifit Get to know the benefits of serverless architecture Understand the basic principles of reactive programming to write asynchronous code Practically implement several important design patterns Write efficient code by executing dependency injection See the working of all magic methods Handle the command-line area tools and processes Control the development process with profiler debugging and profiling In Detail PHP is a server-side scripting language that is widely used for web development. With this book, you will get a deep understanding of the advanced programming concepts in PHP and how to apply it practically. The book starts by unveiling the new features of PHP 7 and walks you through several important standards set by PHP Framework Interop Group (PHP-FIG). You'll see, in detail, the working of all magic methods, and the importance of effective PHP OOP concepts, which will enable you to write effective PHP code. You will find out how to implement design patterns and resolve dependencies to make your code base more elegant and readable. You will also build web services across microservices architecture,

Performance Testing With JMeter 2.9 is a standard tutorial that will help you polish your fundamentals, guide you through various advanced topics, and along the process help you learn new tools and skills. This book is for developers, quality assurance engineers, testers, and test managers new to Apache JMeter, or those who are looking to get a good grounding in how to effectively use and become proficient with it. No prior testing experience is required.

What is this book about? The Extreme Programming (XP) methodology enables you to build and test enterprise systems quickly without sacrificing quality. In the last few years, open source developers have created or significantly improved a host of Java XP tools, from XDoclet, Maven, AntHill, and Eclipse to Ant, JUnit, and Cactus. This practical, code-intensive guide shows you how to put these tools to work — and capitalize on the benefits of Extreme Programming. Using an example pet store application, our expert Java developers demonstrate how to harness the latest versions of Ant and XDoclet for automated building and continuous integration. They then explain how to automate the testing process using JUnit, Cactus, and other tools, and to enhance project management and continuous integration through Maven and AntHill. Finally, they show you how to work with XP tools in the new Eclipse IDE. Complete with real-world advice on how to implement the principles and practices of effective developers, this book delivers everything you need to harness the power of Extreme Programming in your own projects. What does this book cover? Here are some of the things you'll find out about in this book: How to automate the building of J2EE apps and components with Ant and XDoclet Techniques for automating Java testing using JUnit Procedures for automating servlet, JSP, and other J2EE testing using Cactus Ways to automate Swing testing with Jemmy, JFCUnit, and Abbot How to manage projects using Maven Techniques for automating continuous integration with AntHill and Cruise Control How to harness plugins for JUnit, Cactus, and Ant in the Eclipse IDE Ways to implement Extreme Programming best practices Who is this book for? This book is for enterprise Java developers who have a general familiarity with the XP methodology and want to put leading Java XP tools to work in the development process.