
Pro Apache Jmeter Web Application Performance Testing

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Beginning JavaServer Pages PHI Learning Pvt. Ltd.

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 setup How 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 content A 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 environments Procedures for load-testing 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 How to embed Tomcat within custom applications Who is this book for? This book is for J2EE system administrators and Java developers with responsibilities for

Tomcat configuration, performance tuning, system security, or deployment architecture.

Learn API Testing McGraw Hill Professional

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 Apache Tomcat 6

McGraw Hill Professional

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.

Pro Apache Tomcat 6 Apress
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 Learn

Understand the core principles of Spring Framework

5 Use dependency injection

Work with aspects in Spring and do AOP (aspect

oriented programming)

Control transactional behavior and work with SQL and NoSQL databases

Create and secure web applications based on Spring MVC

Get to know the format of the exam and the type of questions in it

Create 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.

Struts: The Complete Reference, 2nd Edition

Institute of Electrical & Electronics Engineers (IEEE)

The integration of applied intelligence with software has been an essential enabler for science and the new economy, creating new possibilities for a more reliable, flexible and robust society. But current software methodologies, tools, and

techniques often fall short of expectations, and are not yet sufficiently robust or reliable for a constantly changing and evolving market. This book presents the proceedings of SoMeT_22, the 21st International Conference on New Trends in Intelligent Software Methodology Tools, and Techniques, held from 20 - 22 September 2022 in Kitakyushu, Japan. The SoMeT conference provides a platform for the exchange of ideas and experience in the field of software technology, with the emphasis on human-centric software methodologies, end-user development techniques, and emotional reasoning for optimal performance. The 58 papers presented here were each carefully reviewed by 3 or 4 referees for technical soundness, relevance, originality, significance and clarity, they were then revised before being selected by the international reviewing committee. The papers are arranged in 9 chapters: software systems with intelligent design; software systems security and techniques; formal techniques for system software

and quality assessment; applied intelligence in software; intelligent decision support systems; cyber-physical systems; knowledge science and intelligent computing; ontology in data and software; and machine learning in systems software. The book assembles the work of scholars from the international research community to capture the essence of the new state-of-the-art in software science and its supporting technology, and will be of interest to all those working in the field.

Professional Portal Development with Open Source Tools Apress

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.

Professional Apache Tomcat 5 Packt Publishing Ltd
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 J2EE 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.
Pro Apache JMeter John Wiley & Sons
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 J2EE 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 with JMeter - Second Edition John Wiley & Sons

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.

Tomcat: The Definitive Guide John Wiley & Sons

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 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 its monitoring, and leverage its power through the use of the cloud. By the end of this book, you'll know all that's needed to perform comprehensive load testing on your applications by using all the best practices and features of JMeter. What you will learn Explore various JMeter concepts, including Timers scope and Assertions scope Discover the types of test protocols and load tests that JMeter supports Design a realistic test scenario using various tips and best practices Prepare your test environment with injectors and the system under test Learn and apply good practices when recording a script Integrate JMeter with Jenkins using Maven Who this book is for This book contains all the valuable information you need in one place and is a must for everybody who is seriously working with JMeter. It might be a little condensed for absolute beginners, but this book is the best you can find if you already have some performance testing experience and want to get

further. In particular, it would be invaluable to developers who want to expand their JMeter knowledge into advanced topics or switch to JMeter from other load testing tools.

Apache JMeter Packt Publishing Ltd
Quickly ramp up your practical knowledge of Apache JMeter for software performance testing and focus on actual business problems. This step-by-step guide covers what you will need to know to write and execute test scripts, and verify the results. Pro Apache JMeter covers almost every aspect of Apache JMeter in detail and includes helpful screenshots and a case study. A performance primer chapter provides a high-level summary of terms used in performance testing on a day-to-day basis that also is useful for non-technical readers. A sample web application Digital Toys has been developed and test scripts are provided for you to try while progressing through the chapters.

What You'll Learn Create and execute an Apache JMeter test plan Interpret the results of your test plan Understand distributed testing using Apache JMeter Use Apache JMeter advanced features such as JDBC, REST, FTP, AJAX, SOAP, and mobile performance testing Read a sample case study covering end-to-end planning and execution of a performance testing project Generate and analyze a performance dashboard Who This Book Is For Software performance testing professionals, quality assurance professionals, architects, engineers, project managers, product managers

Professional Apache Tomcat 6 Packt Publishing Ltd
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.

JMeter Cookbook Apress

Strut your stuff with this completely up-to-date guide Struts guru James Holmes has completely revised and updated his definitive, bestselling Struts volume. You will get soup-to-nuts coverage of Struts 1.3, the latest version of the framework used to create flexible, high-performance web applications. The book features insider tips, tricks, and techniques to make Struts applications sizzle.

Dr. Dobb's Journal Packt Publishing Ltd

* 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.

Fifth International Conference on Computational Intelligence and Multimedia Applications Apress

Learn and implement various techniques related to testing, monitoring and optimization for microservices architecture. Key Features Learn different approaches for testing microservices to design and implement, robust and secure applications Become more efficient while working with microservices Explore Testing and Monitoring tools such as JMeter, Ready API, and AppDynamics Book Description Microservices are the latest "right" way of developing web applications.

Microservices architecture has been gaining momentum over the past few years, but once you've started down the microservices path, you need to test and optimize the services. This book focuses on exploring various testing, monitoring, and optimization techniques for microservices. The book starts with the evolution of software architecture style, from monolithic to virtualized, to microservices architecture. Then you will explore methods to deploy microservices and various implementation patterns. With the help of a real-world example, you will understand how external APIs help product developers to focus on core competencies. After that, you will learn testing techniques, such as Unit Testing, Integration Testing, Functional Testing, and Load Testing. Next, you will explore performance testing tools, such as JMeter, and Gatling. Then, we deep dive into monitoring techniques and learn performance benchmarking of the various architectural components. For this, you will explore monitoring

tools such as Appdynamics, Dynatrace, AWS CloudWatch, and Nagios. Finally, you will learn to identify, address, and report various performance issues related to microservices. What you will learn

Understand the architecture of microservices and how to build services Establish how external APIs help to accelerate the development process

Understand testing techniques, such as unit testing, integration testing, end-to-end testing, and UI/functional testing Explore various tools related to the performance testing, monitoring, and optimization of microservices Design strategies for performance testing Identify performance issues and fine-tune performance Who this book is for This book is for developers who are involved with microservices architecture to develop robust and secure applications. Basic knowledge of microservices is essential in order to get the most out of this book.

New Trends in Intelligent Software Methodologies, Tools and Techniques Apress

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.

[JMeter by Example](#) Packt Publishing Ltd

Learn how to quickly set up the test automation tool WebDriverIO, one of the major Node.js-based test frameworks.

Software testing is here to stay, and an integral part of this is test automation. Dive into the amazing possibilities that WebDriverIO offers to automate browser interactions for a user of any web application. You will learn to automate a vast range of actions that a user takes to

interact with the browser. From a simple click to more complex user actions such as frame switches, selecting from drop-downs, and file downloads using WebDriverIO APIs. You will also learn about assertions, timeouts, waits, parallel testing frameworks, and the general pros and cons of WebDriverIO. With over 150 working code samples demonstrating various test scenarios that you require in your day-to-day automation testing, this book is your practical handbook to WebDriverIO. What You'll Learn Set up and install WebdriverIO efficiently Run parallel execution using WebdriverIO Review the pros, cons and challenges you may face with WebdriverIO Ensure optimum usage and avoid common mistakes Who This Book Is For This book is

ideal for test engineers who have a basic understanding of test automation with Selenium, developers who want to implement this testing tool for internal testing, Test Managers/IT Project Managers who want to get some general understanding of this tool and its advantage, and students who want to pursue career in test automation.

Professional Apache Tomcat 5 John Wiley & Sons

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.

PRO JSP 2ND ED. Packt Publishing Ltd

"Packed with real-world code examples and in-depth case studies accompanied by fully working applications, this book introduces the many new features of JSP 2.0 while emphasizing good Web development practices. - Along the way, you'll examine how JSP interacts with other Enterprise Java technologies and you'll be challenged to apply your new JSP programming skills to real-world projects. - "This book is for novice programmers who have basic programming experience either in Java or a Web scripting language and want to become fluent in JSP."--BOOK JACKET.

DevOps Bootcamp Springer

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.