



From Technologies to Solutions

# Apache Struts 2

## Web Application Development

Design, develop, test, and deploy your web applications using the Struts 2 framework

Dave Newton

PACKT

# Apache Struts 2 Web Application Development

**Ian Roughley**

## Apache Struts 2 Web Application Development:

**Apache Struts 2 Web Application Development** Dave Newton,2009 This book takes a clear approach focusing on one topic per chapter but interspersing other issues in the mainline text and in chapter detours Taking a practical approach it discusses agile web development using Struts 2 with plenty of examples for better understanding This book is for Java developers who are interested in developing web applications using Struts If you need a comprehensive introduction to Struts 2 1 along with the most important aspects of additional web application development technologies agile programming practices tool creation and application life cycle management this book is for you You don t need to know JavaScript and CSS to use this book as the author will teach you the required basics If you are a Struts 1 or WebWork user and wish to go ahead and migrate to Struts 2 this practical guide is also for you *Struts 2.X Design and Programming* Moubachir Madani

Fadoul,2020-06-17 Have you always wanted to learn computer programming but are afraid it will be too difficult for you Or perhaps you know other programming languages but are interested in learning Struts 2 x technology language fast This book is for you You no longer have to waste your money and time trying to learn Struts 2 x technology from boring books that are 600 pages long expensive online courses or complicated Struts 2 x technology tutorials that just leave you more confused and frustrated What this book offers Apache Struts 2 X Web Application Development technology for BeginnersComplex concepts are broken down into simple steps to ensure that you can easily master the Struts 2 x technology language even if you have never coded before Carefully Chosen Struts 2 x technology ExamplesExamples are carefully chosen to illustrate all concepts In addition the output for all examples are provided immediately so you do not have to wait till you have access to your computer to test the examples Careful selection of topicsTopics are carefully selected to give you a broad exposure to Struts 2 x technology while not overwhelming you with information overload These topics include object oriented programming concepts error handling techniques file handling techniques and more Such that you are always up to date with the latest advancement in the Struts 2 x technology language Learn The Struts 2 x technology Programming Language FastConcepts are presented in a to the point style to cater to the busy individual You no longer have to endure boring and lengthy Struts 2 x technology textbooks that simply puts you to sleep With this book you can learn Struts 2 x technology fast and start coding immediately How is this book different The best way to learn Struts 2 x technology is by doing This book includes unique examples at the end of the book that requires the application of all the concepts taught previously Working through the examples will not only give you an immense sense of achievement it will also help you retain the knowledge and master the language What you ll learn TABLE OF CONTENTSChapter 1 Introduction to StrutsChapter 2 Struts 2 Interceptors2 1 Advantage of interceptors2 2 Struts 2 ValueStack2 3 Struts 2 ActionContext2 4 Struts 2 ActionInvocation2 5 Struts 2 Architecture and Flow2 6 Struts 2 standard flow Struts 2 architecture 2 7 Struts 2 Action2 8 Constants of Action Interface2 9 Method of Action InterfaceChapter 3 Struts 2 Configuration File3 1 Struts 2 Multiple Configuration File ExampleChapter 4

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### **Practical**

**Apache Struts 2 Web 2.0 Projects** Ian Roughley,2008-03-02 Apache Struts has long provided Java developers with a powerful framework for building extensible maintainable web applications Yet the version 2 release takes developers capabilities to the next level having integrated Ajax support the ability to easily integration with the Spring framework and the ability to take full advantage of POJOs Practical Apache Struts 2 Web 2 0 Projects shows you how to capitalize upon these features to build next generation web applications that both enthrall and empower your users Gain an in depth understanding of the Struts framework with special attention paid to key version 2 features Learn how to take advantage of Web 2 0 concepts alongside Struts 2 to build next generation web sites Follow along with the introduction of important concepts and development techniques by way of a web site project closely resembling what you might encounter in any enterprise environment

**Rational Application Developer V7 Programming Guide** Ueli Wahli, Henry Cui, Craig Fleming, Maan Mehta, Marco Rohr, Pinar Ugurlu, Patrick Gan, Celso Gonzalez, Daniel M. Farrell, Andreas Heerdegen, IBM Redbooks, 2008-03-27 IBM Rational Application Developer for WebSphere Software V7 0 for short Rational Application Developer is the full function Eclipse 3 2 based development platform for developing JavaTM 2 Platform Standard Edition J2SE™ and Java 2 Platform Enterprise Edition J2EE™ applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal Rational Application Developer provides integrated development tools for all development roles including Web developers Java developers business analysts architects and enterprise programmers Rational Application Developer is part of the IBM Rational Software Delivery Platform SDP which contains products in four life cycle categories Architecture management which includes integrated development environments Application Developer is here Change and release management Process and portfolio management Quality management This IBM Redbooks publication is a programming guide that highlights the features and tooling included with Rational Application Developer V7 0 Many of the chapters provide working examples that demonstrate how to use the tooling to develop

applications as well as achieve the benefits of visual and rapid application development This publication is an update of Rational Application Developer V6 Programming Guide SG24 6449 This book consists of six parts Introduction to Rational Application Developer Develop applications Test and debug applications Deploy and profile applications Team development Appendixes    *Rational Application Developer V7.5 Programming Guide* Ueli Wahli,Miguel Vieira Ferreira Lopes Gomes,Brian Hainey,Ahmed Moharram,Juan Pablo Napoli,Marco Rohr,Henry Cui,Patrick Gan,Celso Gonzalez,Pinar Ugurlu,Lara Ziosi,IBM Redbooks,2009-06-29 IBM Rational Application Developer for WebSphere Software v7 5 Application Developer for short is the full function Eclipse 3 4 based development platform for developing JavaTM Standard Edition Version 6 Java SE 6 and Java Enterprise Edition Version 5 Java EE 5 applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal Rational Application Developer provides integrated development tools for all development roles including Web developers Java developers business analysts architects and enterprise programmers Rational Application Developer is part of the IBM Rational Software Delivery Platform SDP which contains products in four life cycle categories Architecture management which includes integrated development environments Change and release management Process and portfolio management Quality management This IBM RedbooksTM publication is a programming guide that highlights the features and tooling included with Rational Application Developer v7 5 Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications as well as achieve the benefits of visual and rapid application development This publication is an update of Rational Application Developer V7 Programming Guide SG24 7501

### **Struts 2 Design and Programming**

Budi Kurniawan,2008 Offering both theoretical explanations and real world applications this in depth guide covers the 2 0 version of Struts revealing how to design build and improve Java based Web applications within the Struts development framework Feature functionality is explained in detail to help programmers choose the most appropriate feature to accomplish their objectives while other chapters are devoted to file uploading paging and object caching    *Pro Apache Struts with Ajax* Kunal Mittal,Rob Harrop,John Carnell,2007-05-02 Pro Apache Struts with Ajax maps out how to use the Apache Struts MVC web framework so you can solve everyday web application development challenges This book takes an application centric approach the development of an application drives Struts along with Ajax coverage not the other way around Improper design can lead to long term dependencies on the Struts framework which makes code reuse difficult to achieve This is the only book of its kind covering the Struts 1 2 framework It also covers evolutions into Shale and lightweight WebWork Struts Ti Authors John Carnell and Rob Harrop discuss Struts from an antipattern perspective and the end result is that you ll learn to use Struts very effectively    **Cloud Computing** John W. Rittinghouse,James F. Ransome,2016-04-19 Cloud Computing Implementation Management and Security provides an understanding of what cloud computing really means explores how disruptive it may become in the future and examines its advantages and disadvantages It gives business executives the

knowledge necessary to make informed educated decisions regarding cloud initiatives The authors first discuss the evolution of computing from a historical perspective focusing primarily on advances that led to the development of cloud computing They then survey some of the critical components that are necessary to make the cloud computing paradigm feasible They also present various standards based on the use and implementation issues surrounding cloud computing and describe the infrastructure management that is maintained by cloud computing service providers After addressing significant legal and philosophical issues the book concludes with a hard look at successful cloud computing vendors Helping to overcome the lack of understanding currently preventing even faster adoption of cloud computing this book arms readers with guidance essential to make smart strategic decisions on cloud initiatives

**Polyolefin Fibres** S C O Ugbolue,2009-01-28

Polyolefins are one of the most widely used commercial polymers This book reviews the most important polyolefins including polyethylene and polypropylene These versatile fibres are durable chemically resistant lightweight economical and functional Polyolefin fibres industrial and medical applications provides a comprehensive review of the structure and properties of this group of fibres together with methods to improve the functionality of polyolefins and their range of applications The first set of chapters discusses the different types of polyolefins their structural and chemical properties as well as their production methods The second group of chapters examines how to improve the functionality of polyolefin fibres A final group of chapters addresses how polyolefins can be incorporated into specific applications such as industrial medical and automotive products Written by a distinguished team of international contributors Polyolefin fibres industrial and medical applications is a quintessential reference for textile technologists fibre scientists yarn and fabric manufacturers and also those in academia Reviews the most important polyolefins including polyethylene and polypropylene their structural and chemical properties as well as production methods Examines methods to improve the functionality of polyolefin fibres including production methods and quality control

[Struts 2 in Action](#) Andrew Psaltis,Chad Michael Davis,2008-05-01

The original Struts project revolutionized Java web development and its rapid adoption resulted in the thousands of Struts based applications deployed worldwide Keeping pace with new ideas and trends Apache Struts 2 has emerged as the product of a merger between the Apache Struts and OpenSymphony WebWork projects united in their goal to develop an easy to use yet feature rich framework Struts 2 represents a revolution in design and ease of use when compared to classic Struts It adds exciting and powerful features such as a plugin framework JavaServer Faces integration and XML free configuration Struts 2 In Action introduces the Apache Struts 2 web application framework and shows you how to quickly develop professional production ready modern web applications Written by Don Brown one of the leading developers of Struts 2 Chad Davis a passionate Struts 2 developer along with Scott Stanlick this book gently walks you through the key features of Struts 2 in example driven easy to digest sections Struts 2 in Action delivers accurate seasoned information that can immediately be put to work This book is designed for working Java web developers especially those with some background in Struts 1 or WebWork The

core content covering key framework components such as Actions Results and Interceptors includes new features like the annotation based configuration options You ll find chapters on Struts 2 plugins FreeMarker and migration from Struts 1 and WebWork 2 Finally new topics such as the Ajax tags Spring Framework integration and configuration by convention give familiar subjects new depth Purchase of the print book comes with an offer of a free PDF ePUB and Kindle eBook from Manning Also available is all code from the book

**Struts: The Complete Reference, 2nd Edition**

James Holmes,2007-01-01 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

Web Engineering ,2005

**Professional Struts Applications**

John Carnell,Jeff Linwood,Maciej Zawadzki,2003-08-21 Building maintainable and extensible web applications requires significant design and planning before even a single line of code can be written But when you leverage development frameworks you can overcome the many challenges of web based development This book maps out the Jakarta Struts framework to help you solve everyday web application development problems This book concentrates on using Struts to develop the core architecture of a web application and using other Jakarta projects to create a fully open source web application Included are Object

RelationalBridge Lucene Velocity and ANT

**Starting Struts 2**

Ian Roughley,2007-05-04 Struts2 is the latest manifestation of the popular Struts Java web application framework Like its predecessor its goals are to make web application development faster easier and more productive than ever before Despite new languages and new techniques the action base MVC framework is still a viable and effective option for modern web application development Within this book you will find everything you need to get up and running using Struts2 from the architecture and configuration to implementing actions and the supporting infrastructure such as validation and internationalization Above all else it focuses on the practical with plenty of code and productivity tips to get you started using Struts2 today

Advanced JavaServer Pages David M. Geary,Sun Microsystems,2001 Shows how to design and implement flexible extensible and maintainable applications with servlets and JSP Covers authentication and internationalization techniques for JSP Covers using XML and XSLT with JSP

Designing Enterprise Applications with the J2EE Platform (Custom Version) Inderjeet Singh,Beth

Stearns,Mark Johnson,Enterprise Team,2002-03-25

**JSP and Tag Libraries for Web Development**

Wellington L. S. Da Silva,2001 Bring the latest advances to JSP Web development effort by learning when and how to employ tag libraries This book is a guide to the recently introduced Java Tag Extension API illustrated by real life case studies A complete approach to JSP programming is provided with a discussion of its shortcomings and how these can be addressed by employing tag libraries

**The Struts Framework** Sue Spielman,2002-11-04 Struts is an open source framework that integrates with standard Java technologies and lets developers build web applications quickly and effectively In much the same way that Java

has overtaken C Struts is well poised to become the framework for web application development because of its ability to address the types of issues engineers face when building large scale web applications The Struts Framework Practical Guide for Java Programmers meets the needs of this large audience estimated today at 2 5 million Java programmers and growing It provides the systematic exploration required by newcomers as well as the step by step instruction for more experienced readers eager to exploit Struts to the fullest Devoted to the latest version of the framework v 1 1 and vividly illustrated with a thorough sample application throughout this book is an essential resource for all programmers who want to be part of the next stage in the evolution of the web Hard to find practical coverage from a highly visible figure in the Java development world Among the first books to cover the latest release of Struts version 1 1 Reviews all the technologies comprising Struts including JavaServer Pages Servlets XML Custom Tags and web and application servers Teaches readers the development practices including design debugging internationalization and implementation essential to Struts development **J2EE**

**FrontEnd Technologies** Lennart Jorelid,2002 J2EE FrontEnd Technologies A Programmer s Guide to Servlets JavaServer Pages and Enterprise JavaBeans concisely and accurately describes what you need to know about effective enterprise development based on servlets JSPs and EJBs Servlets JSPs and EJBs are the most important aspects of Java as it is used in the production of enterprise Web applications today Lennart Jorelid s book concentrates on teaching programmers how to fit the various technologies together while spending as little time as possible on plumbing Jorelid discusses servlet development and architecture and he teaches developers how to integrate servlets into distributed enterprise systems with illustrated examples He explains the architecture and implementation of JSPs including introductory concepts such as using all built in facilities of the JSP library and advanced topics such as creating your own custom actions using the JSP Tag Library API Jorelid also addresses the open source Struts framework from the Apache Software Foundation which provides a powerful framework for J2EE Web application development by combining servlets and JSPs And finally Jorelid explores the EJB programming paradigm covering development and architecture of EJBs and J2EE integration and deployment J2EE FrontEnd Technologies A Programmer s Guide to Servlets JavaServer Pages and Enterprise JavaBeans provides developers with a unique approach to understanding the profound relationship between servlets JSPs and EJBs Developers will gain a clear understanding of all three and will be able to harness this knowledge for their own real world applications **Mastering**

**Tomcat Development** Ian McFarland,Peter Harrison,2002-10-28 Learn how to use Tomcat to quickly build more sophisticated Web applications This comprehensive introduction to developing complex Web applications using Tomcat and related Apache Jakarta technologies examines everything you need to know about Tomcat 4 the popular award winning server for implementing and deploying servlets and JavaServer Pages Tomcat helps developers create dynamic Web content without the problems associated with other methods like CGI scripts Author Peter Harrison has written the first book to cover Tomcat from a developer s perspective He shows you how to use Tomcat by itself as well as with related Apache

Jakarta technologies to develop dynamic Web applications and you'll also learn techniques for improving your programming productivity. This practical guide is packed with source code and examples of real world Web applications. Plus you'll discover other exciting features of Tomcat including:

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- Complete guidelines for installing, configuring and administering Tomcat including coverage of the new Manager application and Web application deployment process
- The companion Web site contains:
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## **Apache Struts 2 Web Application Development Introduction**

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