



Pro (IBM) WebSphere Application Server 7 Internals (Books for Professionals by Professionals)

By Colin Renouf

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Pro (IBM) WebSphere Application Server 7 Internals (Books for Professionals by Professionals) By Colin Renouf

Pro (IBM) WebSphere Application Server 7 Internals covers the internal architecture and implementation of the WebSphere Application Server (WAS) version 7 product set and how other IBM products extend it. It presents information to enable administrators, developers, and architects to learn about the aspects of WAS that apply to them:

- Administrators will come to understand how the WAS7 environment functions to best optimize it for their environment, and what to do when things go wrong.
- Developers will learn to extend the functionality in the base WAS product.
- Architects will see how the WAS product underpins the IBM offerings to fit in an enterprise.

What you'll learn

- Explore the internal architecture that makes up a modern high-end application server and how other products extend it to provide additional functionality.
- Implement, deploy, and serve Java EE 5 and other enterprise Java applications.
- See how the environment all fits together so you can make the best use of the WebSphere Application Server services.
- Explore how all this works with simple, important code examples.
- Troubleshoot problems when the inevitable crisis occurs.

Who this book is for

- Java architects wanting to understand how a modern application server works
- Java developers targeting the JEE and the WAS7 implementation in particular
- WAS7 administrators wanting to understand how to optimize the environment for their application behavior and what underpins the errors in the logs when things do go wrong
- Software architecture students learning how modern system software is architected and implemented

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1. WAS Architecture Outline from 50,000 Feet
2. The IBM J9 Java Virtual Machine for Java 6
3. Eclipse/OSGi Runtime
4. Underlying WAS Runtime
5. The EJB Container
6. The Web Container
7. Web Services
8. Service Integration Bus
9. High Availability
10. Load Balancing and Scalability
11. Configuration
12. Related Products

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Pro (IBM) WebSphere Application Server 7 Internals (Books for Professionals by Professionals) By Colin Renouf Bibliography

- Sales Rank: #2947139 in Books
- Brand: Brand: Apress
- Published on: 2009-06-29
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x .55" w x 7.01" l, 1.34 pounds
- Binding: Paperback
- 392 pages



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Editorial Review

About the Author

Colin Renouf is an enterprise architect responsible for middleware technology for a large U.K.-based bank. Formerly an aeronautical engineer at an aircraft engines company, Colin has 25 years of experience in the IT industry. Colin originally specialized in Windows development and infrastructure, but being familiar with AIX from the early days and with a keen interest in Java/J2EE, Colin has added WAS and AIX to his specialties. As an active member of user communities, Colin runs some of the largest user groups in the world, notably that for AIX and jointly that for all things WebSphere. Colin has a bachelor's degree in aeronautical engineering and another in information technology and social sciences from reputable U.K. universities, and has studied a number of other subjects at degree level. Colin is the author of the "WAS Under The Hood" section of the *WebSphere on AIX Best Practices and Optimization* Redbook and ""Enterprise Infrastructure"" Redpaper, the *WAS Internals* series in *IBM Systems Magazine*, and various presentations on the subject of how WAS works as part of the user group conference scene.

Users Review

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