



Oracle WebLogic Server 12c: Distinctive Recipes: Architecture, Development and Administration

By Frank Munz

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*The significantly improved and expanded second edition (published **May 1st, 2014**) is based on **WebLogic 12.1.2** and contains more than **130 additional pages**, **half a dozen new webcasts** and more than **16 new or rewritten recipes** (see below).*

Imagine you need to know about a problem with your car's engine. You could plough through the 1000-page manual. Or you could chat to the mechanic over a cup of coffee.

That's WebLogic 12c Advanced Recipes. It's WebLogic for software architects, administrators and developers. For people like you who know quite a bit about WebLogic. What you don't want is the typical 'recipe book' full of screenshots. Click here. Click there. Do this. Do that. That's WebLogic by numbers.

What you really want are the things you won't find in the manual, like recommendations, discussions, best practices, deployable projects, webcast videos and directions on when to use a feature - and when not to. With all this and more, this book is the perfect complement to official courses and manuals.

In short, this gem of a book is almost as good as attending one of Frank's renowned workshops.

This new book is an anthology of best practice in administrating WebLogic, large-scale deployments, performance-tuning biggest mistakes, performance tuning tools, the merged JVM, node manager, using JMX with your own applications, stuck threads, JDBC myths, effectively detecting memory leaks, Java EE examples (deployments and NetBeans projects), Oracle Fusion Middleware (Service Bus, SOA Suite etc.) and WebLogic in the Cloud *without the hype*. **The significantly improved and expanded second edition is based on WebLogic 12.1.2 and contains more than 130 additional pages, half a dozen new webcasts and more than 16 new or rewritten recipes.**

Additional Content of Second Edition:

OUI installer, OPatch, Certification, Requirements and Compatibility, per Domain Node Manager, Server Templates, Cluster Targeted JMS, Dynamic Clustering, Oracle Java Cloud Service.

Contents of First Edition:

A la Carte - Why WebLogic 12c? - JDK / JVM - Oracle JDK 7 - Installation - Domains and Directories - Sizing and Defining Domains - Users and Groups - Start Scripts - Startup Mode: Development or Production? - WebLogic Features in Different Versions - JMX - Why it matters - WebLogic Scripting Tool (WLST) - JMX Shell j4psh - JConsole - WebLogic 12c RESTful Management - RESTful Management with Jolokia - RESTful URLs for Jolokia Grab Bag - Configuration Management - boot.properties and SerializedSystemIni.dat - Encrypting and Hacking Passwords - Connection Filter and Logging - Stuck Threads - Deployment - Redeployment Loop Testing - Node Manager Basics - Node Manager Best Practices - JDBC Pinned to Thread - JDBC or File Persistent Stores - JMS Distributed Destinations - JMS Quotas Increase Performance - Enable Distributed Transactions - Emulated 2-PC? Logging Last Resource! - Load Balancing and Web Servers - Content Distribution Networks - Open Source HAProxy Load Balancer - WebLogic Cluster - Service and Whole-Server Migration - JTA Service - Overload Protection - Install and Configure NetBeans - Simple JMX: MBeans with Spring - MXBeans with Java EE - Simple Web Service - Stateless Session Bean in Two Minutes - EJB Timer - Performance Tuning: Basics & Worst Mistakes - DaCapo Benchmark from the Beginning - Detecting High-CPU Java Threads - What is listening? Isof - Memory Leaks Basics - Track Down a Memory Leak - Grinder Load / Performance Tool - BadBoy - Apache JMeter - Precompile, How it is Really Done - Service Oriented Architecture - Oracle Fusion Middleware - Oracle Service Bus - Oracle SOA Suite - Oracle Service Repository - Oracle Service Registry - Oracle VM VirtualBox - Cloud Essentials - Amazon Web Services Cloud - Oracle Java Cloud Service -

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Editorial Review

Review

So the author doesn't just describe what he likes, but is also honest about Weblogic shortcomings and the consequences. -- SydneyAdminMan

This is the only good book covering WebLogic 12c I could find. -- T. Hammer

... it shows the solution for typical pitfalls of administration and setups of a distributed server environment. -- just be

A wonderful book with a collection of straightforward information and solutions. Interesting recipes, direct to provide clear solutions and examples. -- German Gonzalez

Honest and clean explanation on tech bits -- Oracle ACE Director Y. Velikanov

About the Author

Dr. Frank Munz is an expert in middleware and distributed computing. He earned a Ph.D. in computer science from the Technische Universität München for his work on distributed computing and medical imaging in brain research. He published more than 20 peer reviewed scientific papers. In 2011 Frank received the Oracle Technologist of the Year award for cloud computing. Frank was honoured as Oracle ACE Director by Oracle in 2013 yet continues to work as an independent IT consultant. Frank has over 15 years experience working for and on behalf of top middleware vendors and consultancies such as ConSol, Sun, BEA, TIBCO and Oracle, throughout Europe and Australia as a software architect, project manager and developer. In 2007 Frank founded munz & more - a cutting-edge consultancy focusing on Oracle middleware and cloud computing (see <http://www.munzandmore.com>). Based on over a decade of teaching experience with the big vendors, and its limitations, Frank is offering his own high-end training program world-wide now (Cloud Computing, Oracle Fusion Middleware, Oracle WebLogic Server Architecture, Operations and Development, Performance Tuning, Oracle Service Bus 11g). He loves to talk about features and showstoppers and frequently speaks at conferences all over the world. When Frank is not working, he enjoys travelling in Southeast Asia, skiing in the Alps, tapas in Spain, and scuba diving in Australia.

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