

ORACLE®

VOLUME XII/NUMBER 6

M A G A Z I N E

NOVEMBER/DECEMBER 1998

Next-Generation WEB

The
Evolution
of
Thin



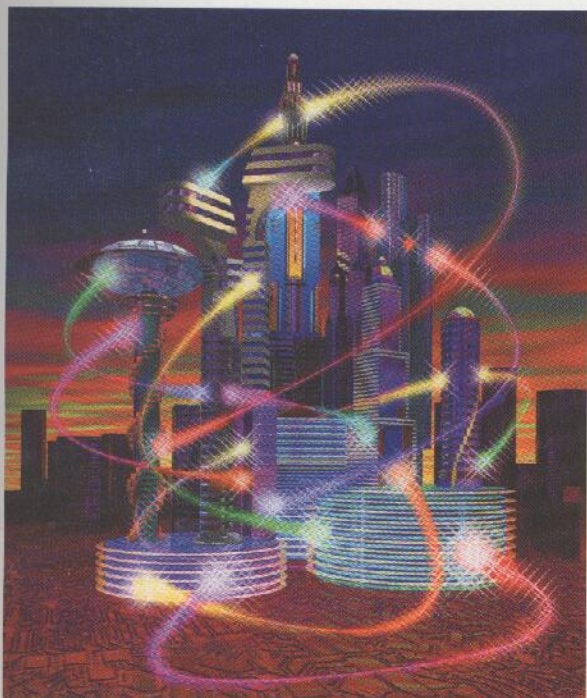
www.oramag.com

Contents

VOLUME XII/NUMBER 6 NOVEMBER/DECEMBER 1998

FEATURES

COVER STORY



COVER ILLUSTRATION BY PAUL WILFY

46 Next-Generation Web

By Kelli Wiseth. Around the world, diverse industries are reaping the rewards of the Internet and Web technology. *Faster, better, cheaper*—the mantra of company executives everywhere—becomes a reality with next-generation thin-client applications that lower the total cost of ownership, deliver new functionality quickly, and open up new business venues. How can you lose? Here's how to win.

■ Five Client/Server Myths Exposed

Does one of these myths keep you hanging on to the client-centric client/server computing model when you should be moving on? *Page 48*

■ Calling the Universal Client

A Web-browser client is about as good as it gets. *Page 54*

■ Katz Digital

The next wave in publishing: Digital prepress printing company provides Web-based custom publishing and media management. *Page 56*

■ Keeping Thin Clients Thin

The architecture for next-generation applications. *Page 60*

■ Unisys Travel Alliance Services

A corporate dream come true: Web-based travel management and expense reporting—outsourced to pros. *Page 64*

■ When to Outsource for Strategic Advantage

New technologies open up new professional opportunities for DBAs—but when do you offload current tasks to take on new ones? *Page 68*

■ Next-Generation Oracle Products

Oracle8i, Web Application Server, and WebDB: Oracle customers can do one-stop shopping to set up their Internet business enterprises. *Page 70*

ORACLE8/DATA WAREHOUSING

77 Data on Demand



By David Baum. Data warehouses are being put on the front lines of corporate strategy. In today's competitive environment, companies need to do fast, productive data analysis to gain competitive advantage.

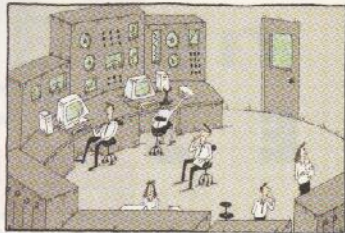
See how Empower Information Technology and Great-West Life are using Oracle's data-warehousing tools to provide the ammunition.

DEPARTMENTS

FROM THE EDITOR

11 Working Inside Out

By Leslie Steere. Outsourcing as a way of life.



INDUSTRY INSIGHT

13 Why I Love the Internet

By Richard Finkelstein. The Internet: Greatest innovation of the twentieth century.

NEWS

19 Product News

Oracle8i, Oracle on Linux, Year 2000 solutions, Warehouse II, Application Server 4.0, Front Office Applications, and more.

33 Value Added

Third-party tools for database management, data warehousing, performance, and more.

PROBLEM SOLVED

89 Getting Ready for E-Commerce

By Rich Niemiec. Assembling the tools and components you need for Web-based business.

ORACLE ON NT

95 Replicating Multiple Snapshot Sites with a Master Database

By Valerie Blanton and Doug Thomson. Custom tools and procedures for managing large networks of mobile, replicated databases.

APPLICATIONS

107 Preparing and Managing Databases for Large Oracle Applications Sites

By Alex Srinivasan. Set up an effective automated database-management system for a global Oracle Applications installation.

FAST TRACK

113 Oracle8's Integrity-Constraint Enhancements

By Steve Bobrowski. Oracle8's enhanced features provide additional flexibility in enabling and enforcing integrity constraints.

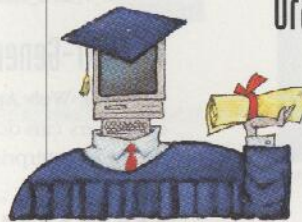
ORACLE PRESS

121 Detecting Locked and Waiting Transactions

By Kevin Loney and Rachel Carmichael. An excerpt from *Oracle SQL & PL/SQL Annotated Archives*, from Oracle Press and McGraw-Hill.

EDUCATION

125 Becoming a Certified Oracle DBA



By Jason Couchman. Enhance your skills by becoming an Oracle Certified Professional DBA.

TOOLS

133 Database Access the Java Way

By John Magee. Building enterprise database applications in Java.

138 Users Groups

152 1998 Index to Articles



139 Marketplace
143 Advertisers' Index
144 Career Opportunities

ORACLE MAGAZINE

(ISSN 1065-3171)
is published bimonthly with a free
subscription price by:
Oracle Corporation
500 Oracle Parkway, Box 88P-1
Redwood Shores, CA 94065-1600

Oracle Magazine is mailed at
Periodicals Postage Paid at
Redwood City, CA and additional
mailing offices.

Bulk Rate
U.S. Postage PAID
Permit 69
Waseca, MN 56093

Standard Mail Enclosed
Version 3 only

POSTMASTER:
Send address changes to:
Oracle Magazine
500 Oracle Parkway, Box 88P-1
Redwood Shores, CA 94065-1600

© Oracle Corporation 1998

All rights reserved. No part of this publication may be reprinted or otherwise reproduced without permission from the editor. Oracle does not provide any warranty as to the accuracy of any information provided through Oracle Magazine. Oracle shall not be liable for any damages incurred as a result of reliance on any information provided herein.

Oracle is a registered trademark of Oracle Corporation. Various product and service names referenced herein may be trademarks of Oracle Corporation. For a full listing of Oracle trademarks and registered trademarks, consult Oracle's Web site at www.oracle.com or send a request to trademar@us.oracle.com. All other product and service names mentioned may be trademarks of their respective owners.

SUBSCRIPTIONS

Subscriptions are complimentary for qualified readers who complete the subscription card found in each issue. For change of address, mail in label with the new address. For information, contact:

Oracle Magazine Customer Service
phone +1.847.647.9630
fax +1.847.647.9735
oracle@halldata.com
www.aramag.com

ORACLE PRODUCTS & SERVICES

+1.800.672.2531 or
+1.650.633.4000

Printed in the U.S.A.
by Brown Printing Co.
Prepress by Applied Graphics
Technologies.

