Agenda

• Oracle’s Commitment to Rdb
• Product Strategy
• Recent Release History & Feature Overview
• Current Development Activity
• Roadmaps
• Oracle Electronic Product Delivery
• "...We know how to do this. Ask any customer from our Rdb database acquisition from Digital Equipment Corporation. Nearly nine years later, we are still providing world-class support to thousands of Rdb customers running mission-critical applications."

Larry Ellison, Oracle CEO quoted in advertisements in Business Week, The Economist, Wall Street Journal + Others
Second Town Hall Meeting: Wednesday, September 3, 2003

“At our second Town Hall meeting, participants interacted with Oracle Executive Vice Presidents Chuck Phillips and Mike Rocha as they elaborated on the planned enhancements to PeopleSoft customer support and discussed the mechanics for a smooth migration. The meeting also included comments from Bob Pacek, senior vice president and chief information officer of DIRECTV, as he provided insight into how his company benefited from Oracle's acquisition of the Rdb database from Digital Equipment Corporation.

REDWOOD SHORES, Calif., Sept. 15 /PRNewswire-FirstCall/ -- (http://www.oracle.com/tellmemore/?2337269 ) Oracle Corp. (Nasdaq: ORCL - News), the world's largest enterprise software company, today reaffirmed its strong commitment to Rdb customers, who praise the company for its nine years of post-acquisition support, innovation and stewardship. Since its acquisition of Rdb from Digital Equipment Corporation in 1994, Oracle has continued to maintain a focus on quality and stability while enhancing the Rdb features customers have deployed in production environments worldwide. Oracle also adds value to its Rdb customers through support of other Oracle technologies, including Oracle® Database and Oracle Application Server.
“Ten Years Later” White Paper

Ten Years Later: Thousands of Satisfied Oracle Rdb Customers

No forced migrations—Oracle delivers post-acquisition support, innovation, stewardship

When Oracle acquired Rdb from Digital Equipment Corporation in 1994, we promised to focus on quality and stability while enhancing features based on customer demand. With the acquisition, we purchased patented technology, skilled engineers, and access to an important customer base. Ten years later, we’re keeping our promise to thousands of customers worldwide through technical innovation and unsurpassed support for their mission-critical Rdb systems.

Committed to the Future of Rdb

Rdb is over 20 years old, yet in just six years Oracle has developed more than 50 percent of the code base. Our significant enhancements, dedication, support, and resources continue to make Rdb the fear choice for high-throughput database applications on OpenVMS systems—everything from cellular phone billing systems and financial services to major financial exchanges—and satisfied customers like Inmont prove it.

“I’ve worked with Rdb for more than 15 years. Oracle has maintained the outstanding level of customer support for Rdb that existed before its acquisition, and has continued to develop new features and performance enhancements,” says Ken McMillan, database administrator for Inmont, a Philadelphia-based mutual management company with more than 25,000 customers.

When Digital sold the Rdb set of database products, the more concerned many Rdb customers. They worried about their mission-critical resources would be deplorable into the new organization. Thanks to Oracle, Rdb customers have exceptionally received the assurance.

After acquiring Rdb, we formed independent Rdb Customer Advisory Councils in four regions—North America, Europe, Japan, and Australia/New Zealand—and they formed today so that the council has had every building innovative features to meet customer demand. Ten years later, these same customers praise our successful management of Rdb acquisition and transition, demonstrating our deep group of the different customers and markets for Oracle and Rdb.

While the original council with Rdb served for three years of development and seven years of support, we’ve gone well beyond that agreement, with ten years—dramatically—of Rdb development and support. With the acquisition, some 25 percent of Digital Rdb employees chose to stay on with Oracle. In fact, Oracle’s head of technology development, Executive Vice President Charles A. Rosew, is a former Digital Rdb executive who joined during the acquisition. Most of the development team, which remains in Nashua, New Hampshire, continues to Rdb customers made up the Rdb customers, including the development of innovative, high-quality features as prioritized by customers and the council, to broadening the Rdb application set, and integrating Rdb with Oracle’s long-term strategies.

Customers Respond

“When Oracle acquired the product in 1994 we were very worried about Rdb's future. Our worry was misplaced. Oracle instituted processes to help ensure customers were well informed about the future of Rdb. At the same time, Oracle gave Rdb a new lease on life by significantly increasing the resources devoted to enhancing the database. At no point have we felt pressured to move to Oracle's main database product.”

Chris Barratt
Development Manager
Flinders Medical Centre
“We began to use Rdb in 1991 and were concerned about continued support when Oracle acquired Rdb. We need not have worried. The support has been very good and very professional and we have always received an immediate response to our inquiries. At no time did Oracle raise the question of migration to their database. The service provided has always been of the highest professional standard.”

Agustin Ramos
Systems Technology Manager
Bolsa de Madrid
Interview with Charles Philips and Ray Lane, in the April 2004 issue of Optimize

“Also, I'd like to remind you that Oracle's done a similar transaction before—actually several, but one fairly large one. With the acquisition of Rdb, a database company purchased from Digital Equipment about 10 years ago, we promised to focus on quality and stability, while enhancing features based on customer demand. At the time, Rdb users had the exact same questions about the takeover you're asking us today. We looked closely at what Rdb customers had to say, working together with their user groups. The bottom line was that we didn't require customers to upgrade to our products. In fact, even today, we still help thousands of Rdb customers running important applications. And we gained some great people from that acquisition as well. The head of our entire technology-development division came from Rdb. So we think the record speaks for itself.”

http://www.optimizemag.com/article/showArticle.jhtml?printableArticle=true&articleId=18700536
Rdb Marketing Focus

• Focus on meeting our customers’ needs

• Activities
  – Rdb Web page, Rdb Web Journal, MetaLink, OTN
  – Rdb Management personal customer visits
    • Well over 100 customer visits per year
    • Hundreds more via e-mail and telephone
  – Rdb Technical Forums
    • 8 in 2005
  – Events
    • Oracle Users’ Group
    • Oracle Open World
    • HP OpenVMS events
How Rdb Is Used

- Trading commodities, equities and futures: US, UK, Australia, Austria, Sweden, Spain, France, Greece, Italy, Switzerland, Hong Kong, Singapore, Korea and Germany
- Mobile phone systems: US, Japan, Hong Kong, UK, South Africa, Peru, Germany, Austria, Czech Republic, Denmark, France, Greece, Portugal and Switzerland
- Semiconductor manufacturing: Worldwide
- Lottery Systems: Europe, Canada, Australia, South America and the US
- Automobile manufacturing
- Short Messaging Service: Worldwide
- Passport control: New Zealand
- Government: Irish Social, Community and Family Affairs
- Education: Europe, United States, Australia - largest secondary education system in Southern Hemisphere
- Car Reservation systems in the United States
- Satellite Television: United States
- Automatic Toll Systems: United States
Product Development Strategy

1. High-end OLTP systems focus
   - High performance
     • Unique scalability on OpenVMS
     • Extensive tuning capabilities
   - High availability
     • Robust on-line management

2. Integration with Oracle software environment
   - Oracle Developer Suite
   - Oracle Application Server
     • Extend Java, JDBC support
   - Oracle Enterprise Manager
   - Oracle Database
     • HP’s OpenVMS will remain the only supported Operating System
Rdb 7.0 Product Family Software Releases Since June ‘04

– Rdb 7.0.7.3, June ’04
– ROR Patch for 7.0.1, June ‘04
– CODASYL DBMS 7.0.5.1, July ’04
– Rdb 7.0.8, April ‘05
Rdb 7.1 Product Family Software Release Since June ‘03

– Rdb 7.1.3, September ’04
– CODASYL DBMS 7.1.1.0, October ’04
– Rdb 7.1.3 Update kit, November ‘04
– Rdb 7.1.4, December ’05
– Rdb ODBC 3.1.0.2, February ’05
– Rdb Native JDBC drivers 7.1.3
Current Beta Releases

• Rdb 7.2 Beta1
  – SQL Module Language
  – SQLPRE for C, Cobol, Fortran, and Pascal
  – RDBPRE for Cobol, Fortran, and Basic
  – RDML Recompilers for C and Pascal
  – Rdb Remote Access

• Oracle/CDD Repository version 7.2
• CODASYL DBMS 7.2
• Rdb SQL/Services and OCI Services for Rdb version 7.1.6
• To join the beta programs, customers can register at:
Oracle Rdb Beta Test Programs

Oracle Rdb 7.2 Beta Test Program

Oracle SQL/Services and OCI Services for Oracle Rdb version 7.1.6 Beta Test Program
Oracle Rdb Native JDBC Drivers version 7.1.3 Beta Test Program
Beta Program Problem Reporting

Oracle Rdb 7.2 Beta Test Program

Oracle is pleased to announce the opening of beta test registration for Rdb Version 7.2. The first kit available for test will be an advanced Developer's Kit version of Oracle Rdb 7.2 for OpenVMS Industry Standard 64 for HP Integrity Servers. This ADK allows Oracle Rdb-based applications to be ported to OpenVMS for Itanium® architecture-based HP Integrity servers and access Alpha-resident Rdb databases. The ADK kit includes 164 native versions of:

- SQL Module Language
- SOLPRE for C, Cobol, Fortran, and Pascal
- RDBPRE for Cobol, Fortran, and Basic
- RDMсли Recompilers for C and Pascal
- Rdb Remote Access
- Oracle/CDD Repository Remote Access

This ADK does not support accessing native Itanium® databases. Full native Itanium® database testing will be available with Rdb Version 7.2 beta1 (full kit) at the end of 2004.

Click here for the Oracle Rdb 7.2 Beta Test Program
Log In

Oracle Rdb 7.2 Database Beta Program

Log In

User Name

Password

Forgot your password?

Create User Name

Go To OTN Beta Test Page
Program Schedule

Beta Test for Oracle Rdb 7.2 for HP OpenVMS Industry Standard 64 and OpenVMS Alpha

Oracle is pleased to announce the opening of beta test registration for Rdb Version 7.2. The first kit available for test will be an Advanced Developer's Kit version of Oracle Rdb 7.2 for OpenVMS Industry Standard 64 for HP Integrity Servers. This ADK allows Oracle Rdb-based applications to be ported to OpenVMS for Itanium® architecture-based HP Integrity Servers and access Alpha-resident Rdb databases. This ADK does not support accessing native Itanium® databases. Full native Itanium® database testing will be available with Rdb Version 7.2 beta 1 (full kit) at the end of 2004.

Oracle CDD/Repository for OpenVMS 7.2 Beta

The Oracle CDD/Repository for OpenVMS 7.2 Beta Kit available here under "Software/Patches" was last updated 22-October-2004.

Oracle CODASYL DBMS 7.2 "Pre-Beta" Kit Is Now Available for Download

Oracle CODASYL DBMS 7.2 has been added to the list of products available for download under the Oracle Rdb 7.2 Beta Test Program. This "pre-beta" kit, is a fully functional 64 ported version of Oracle CODASYL DBMS. It is being offered for "early adopters" who are interested in getting a jump start on the port of their DBMS applications to Itanium® architecture-based HP Integrity Servers. The Beta 1 version of Oracle CODASYL DBMS 7.2 is scheduled for release at the end of 2004.
Rdb 7.1.2

- **Oracle Database Compatibility**
  - Media Management API 2.0
  - Rdb Extension for Oracle Enterprise Manager 9i
  - New SQL Features

- **Performance**
  - Snapshots in Cache
  - 64 Bit Row Cache
  - Optimized Page Transfer
  - Log Recovery Server (LRS) enhancements for Hot Standby
  - Bit Map ‘OR’ and ‘Like’
  - Index Estimation (provides improved index estimations for both the Dynamic and Static Optimizer)
    - Sampled Selectivity (allows cardinality estimation in the Static Optimizer)

- **Availability and Web**
  - Rdb Native JDBC Drivers V1

- **OpenVMS**
  - 7.3-2 / Opal certified
Rdb 7.1.3

• Optimizer
  • Bitmap Scan Performance Enhancements
    – Bitmap Scan for OR Index Retrieval
    – Processing of Unique Keys and Non-ranked Indices
    – Enhanced Fast First Processing
  • Dynamic Optimizer FAST FIRST Shortcut Termination
  • Peephole Optimization For Hidden Key Retrieval
  • Query Execution Timeout
• SQL
  • New Prototype Qualifier for SQL Module Language
  • Dynamic SQL Enhancements
  • Enhancements to SQL SHOW Commands
• Management
  • RMU /UNLOAD /AFTER_JOURNAL Performance Enhancement
  • RMU RMU /BACKUP New /ALLOCATION_QUANTITY Qualifier
  ❇️ And Other Features …
Other Features added in Rdb7

Parallel back-up & load
Patented duplicate key compression algorithm
Byte-aligned bitmap compression
Pseudo-ranked Btrees
Asynch Prefetch of Btree Indices
ALS recoverable asynchronous I/O
Fast AIJ creation and extension
File information cache for VLDBs
Fast area creation and extension
Null support for load/unload
X/OPEN two phase commit
Strict horizontal partitioning
Nested stored procedures
SQL stored functions
Enhanced external function callouts/callbacks
Windows-based management tools
External procedure calls
Support for 45 Oracle7 SQL functions
Temporary Tables
Drop table cascade
Truncate table
Default storage area
Prevent statistics and cardinality updates
Control transaction types
RUJ location
SET FLAGS statement
Hold cursors
SQL support for ROWID
Enhanced Optimizer statistics
Dynamic SQL performance improvements
System table changes
Rdb & Oracle Servers: Coexistence

- Coexistence
  - Common application development w/ OCI Services for Rdb
    - Single applications possible today
  - Data sharing directly through DBLinks
  - Near-line data sharing using LogMiner
DECdtm XA Interface Project

- HP’s DECdtm/XA Gateway means
  - DECdtm-compliant components participate with XA-compliant components
  - DECdtm becomes XA-compliant RM
- Rdb supports DECdtm 2PC so it can now participate in XA transactions
- Benefit: True distributed transactions that update multiple Rdb and Oracle databases.
Rdb JDBC Support

- Standard Oracle JDBC drivers
  - Require OCI translation via SQL*Net for Rdb

- The Rdb JDBC Native Thin Driver
  - 100% pure JAVA driver that communicates directly to the Rdb JDBC Thin Server via JAVA Sockets over TCP/IP.

- The Rdb JDBC Native SQL Driver
  - Connects directly to Rdb SQL via a native API. This driver requires an Rdb client installation, and therefore is Rdb-specific and not suitable for applets. The Rdb Native driver, written in a combination of Java and C, converts JDBC invocations to calls to SQLMOD modules.
Oracle9i/10g Application Server

- Web Caching Services
- Communication Services
- Presentation Services
- Business Logic Services

- Oracle HTTP Server
- Oracle Wireless Services
- Servlets/JSPs
- XML/XSL
- PL/SQL
- PERL
- Portal
- Internet File System
- Discoverer Viewer
- Reports
- Forms
- Java Stored Procedures
- EJBs
- CORBA
- BC4J
- PL/SQL

System Services
- Enterprise Manager, Advanced Security, OID (client)

Other DB Services
- Oracle
- Oracle Rdb
- Other DB
Why Data Replication is Important

Information access is increasingly important; disks are increasingly cheap

- Ad hoc, reporting access interferes with OLTP
- Access to information needs to be continuous, but
  - Databases must sometimes be restructured
  - Databases must sometimes be isolated
  - Databases and systems sometimes fail
- Information must be protected from disaster
- Oracle Rdb is not always the right database management system
# Replication: 6 Methods

<table>
<thead>
<tr>
<th>Replication Method</th>
<th>Type</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Journal Backup/Restore Method</td>
<td>Journal</td>
<td>~1980</td>
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<tr>
<td>Replication Option for Rdb</td>
<td>Table</td>
<td>~1985</td>
</tr>
<tr>
<td>Hot Standby</td>
<td>Journal</td>
<td>~1995</td>
</tr>
<tr>
<td>LogMiner/Loader</td>
<td>Journal</td>
<td>2000-2</td>
</tr>
<tr>
<td>Application Based</td>
<td>Table</td>
<td></td>
</tr>
<tr>
<td>Shadowing/Mirroring</td>
<td>Disk</td>
<td>~1990</td>
</tr>
</tbody>
</table>
Hot Standby Option

- An exact copy of the primary database
- Transactionally consistent
- Geographically separate systems
- Application transparent
  - No application change
  - Database unchanged (AIJ Fast Commit Req’d)
- Negligible performance impact
- Stand-by database available for Read-Only access
Hot Standby Architecture

Transactions

Master Database

ALS

LCS

AIJ Server

LRS

Replicated Database

Reports

ABS
Hot Standby

- Excellent performance
  - Near zero cost on master database
  - Standby cost much lower than SQL
    - Physical address based replication
    - Asynchronous IO operations
- Exceedingly low network overhead
- Event, not schedule driven
- Transactional
- Extensively used
Hot Standby (Cont.)

- No real geographic limit
- Excellent recovery from network failure
- Configurable database consistency
- Also maintains standby copy of AIJ
- But,
  - Entire database is replicated
  - Standby database can be read but not written
    - Isolation level is read committed
  - Design center is failover, not reporting
  - Limited to single target database
  - Can’t back up standby database
LogMiner for Rdb

- Allows extraction of database changes as logged to the After-Image Journal
- Filter by Table, Date/Time, etc.
- Application transparent
- Blazingly fast!
  - 100,000 changes to each of 10 tables
    - 1,000,000 records — extracted in 30 seconds.
- Output to file, mailbox, pipe or a user written routine
- No performance impact on production system
Continuous LogMiner / JCC LogMiner Loader

- Transactions
- Backup AIJs
- Control File
- Restart Context
- Target Database: Rdb or O9i
CLM/LML

• Transactional
  – One or many source transactions = one target transaction

• Event driven or scheduled (Static LogMiner)

• Excellent performance on source database
  – Uses journals, not tables
  – Takes advantage of hardware disk cache; no database hot spot

• Excellent performance on target database
  – Multiple load threads now supported

• Multiple target databases supported
CLM/LML (Cont.)

- No Geographic Limit
- Low network overhead
- Write your own loader if you like
- Lots of flexibility
  - Logical data model
  - Physical implementation
  - Supports Rdb, Oracle, Tuxedo targets; more possible
  - Read/write access to target possible (be careful)
• But,
  – More overhead than Hot Standby
  – More complex to set up than ROR
  – Not as extensively used, but…
Rdb Extension for Oracle Enterprise Manager 9i/10g

- Enterprise Manager is able to
  - Discover Rdb databases
  - Display Rdb Schema Objects
  - Detect events and react to them
  - Schedule jobs

- Production release available now.
- OEM 10g support under development for 2005.
- Benefit: Events and jobs from same console for both Oracle Rdb and Oracle Database.
Oracle Media Manager 2.0 Support

- Oracle Media Management version 2.0 API support begins in Rdb version 7.1.2.1
  - Legato Networker for Rdb now released for production use
  - StorServer ABC available now
  - HP ABS
  - OpenView Data Protector available now
- Parallel backup plan files supported
- Benefits:
  - Same tape library support for OpenVMS and Rdb backups
  - Tape library support for parallel backups
LEGATO NetWorker for OpenVMS
Adds Support for Oracle Rdb/Oracle

- June 30, 2004 - LEGATO announces availability of Oracle Rdb/Oracle modules for NetWorker for OpenVMS
  - Industry First!
  - Beta Program oversubscribed
- LEGATO Software only backup/recovery vendor to offer support for heterogeneous backups
  - Key ISVs endorsing LEGATO solution – Cerner and IDX
  - Marquis customers implement LEGATO NetWorker solution
- HP Endorses LEGATO NetWorker for OpenVMS
  - HP OpenVMS Software Business Unit teams with LEGATO
  - HP Services offers migration service for customers moving from scripts, ABS/SLS and third party solutions to LEGATO NetWorker
- Contacts/Information:
  - HP Services – Denise Schorsch - denise.schorsch@legato.com
  - Product Information/Success Stories: www.legato.com
Native 64-bit Row Cache

- Replace existing VLM/SSB techniques
- Improved performance
- Vastly larger caches viable
Rdb 7.1.2 + VMS V7.3-2 + GS1280 = Performance

- Resident Large Caches
  - >1,000 million database rows
  - >12 million index nodes
  - >32 processor GS 1280 with 256 GB Memory
- 1.8 Million Transactions per Minute
- Details in “Native 64 Bit Virtual Addressing For Oracle Rdb Caches Capability and Performance” white paper – OpenVMS Technical Journal
Row Cache

- Dramatically improves read and write performance by servicing requests in memory.
- Improves write performance by eliminating Page Lock conflicts.
Snapshots in Row Cache

• Store snapshot copy of row in cache
  – Limited snapshot “life time”

• Memory access faster than disk access
  – Eliminate page locking & I/O

• Quickly write & read
  – No need to write snapshot page
  – No need to update live page
  – Search chain in memory
Snaphots In Row Cache

- Read & modify records from cache
- Maintain record snapshot in cache
- Avoid IO to database and page locks
- Should improve application performance
Results:
Transaction Duration
Results:
Page Locking
## Oracle Rdb Roadmap

<table>
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<th>Development Stream</th>
<th>Q1 CY05</th>
<th>Q2 CY05</th>
<th>Q3 CY05</th>
<th>Q4 CY05</th>
<th>Q1 CY06</th>
<th>Q2 CY06</th>
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<td>VAX &amp; Alpha</td>
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Oracle Rdb on OpenVMS I64 – Current Status

• Oracle Rdb Running Native on HP Integrity Servers
  – Most Nightly and Weekly regression tests running, >85% successful
  – Some field test sites have begun using the system natively

• Oracle CODASYL DBMS Running Native on HP Integrity Servers
  – Has been added to the field test program
  – Close to parity with existing Alpha version

• Oracle CDD/Plus Running Native on HP Integrity Servers
  – Has been added to the field test program
  – Currently being used for ACMS regression testing by EDS
  – Heavy use by some field test sites

• Remaining Products under development
  – SQL Services, OCI Services, ROR, Oracle Trace, Rdb Native JDBC drivers
Electronic Product Delivery (EPD)
edelivery.oracle.com
E-Delivery Homepage

Oracle Electronic Delivery

Welcome to Oracle's Electronic Delivery web site.

On this site you can download any Oracle product that is currently available to license. To download products you must:

1. Complete an Export Validation. This is a short process that will require you to enter a minimal amount of information (name, company, email address, and country).

2. Once you complete the export validation you will need to specify the product and platform that you want to download.

3. After selecting a product, you will be able to download individual zip files. Each zip file represents one CD. Once you download all the zip files for a given product, you will be able to continue with installation of your Oracle product(s).

It is also recommended that you print the page with the list of downloadable files. It contains a list of the part numbers and their corresponding description that you may need to reference during the installation process.

If you have additional questions about Oracle's Electronic Delivery site or processes, refer to the Frequently Asked Questions.

Choose a Language

<table>
<thead>
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Export Validation Process

Export Validation

TIP Each time you visit this site, enter the information exactly the same. This will reduce the chance of long delays while processing your request. For example, if you include your middle initial one time but leave it out the next time, your name must be processed as a new user.

Need help? Look at our Frequently Asked Questions.

Full name (FIRST LAST) * Matt Meyerson
Company name * Oracle Corporation
E-mail address * matthew.mayerson@oracle.com
Country * US-UNITED STATES

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2. Select the Product Pack and Platform and click "Go."
3. If there is only one result, you will see the download page. If there are multiple results, select one and click "Continue."

Select a Product Pack: Oracle RDB
Platform: - Select a platform -
- Select a platform -
HP OpenVMS Alpha
HP VAX OpenVMS

Results

<table>
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<tr>
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No search conducted

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## License List

License List

Clicking on a link in this list will populate the Product Pack field on the search page and automatically close this window. Please note that there are multiple products contained in each E-Pack. You only need to download an E-Pack once to receive all the products contained in the E-Pack.

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<td>Clinical</td>
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E-Pack Search

Instructions
1. Review the License List to determine which Product Pack or Packs you need to download.
2. Select the Product Pack and Platform and click "Go."
3. If there is only one result, you will see the download page. If there are multiple results, select one and click "Continue."

Frequently Asked Questions:
- What is an E-Pack?
- How do I find the E-Pack that I need?
- More

Select a Product Pack:
- Oracle RDB

Platform:
- HP OpenVMS Alpha

Results

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Oracle® Rdb 7.1.1.0.0 CD Pack for HP OpenVMS Alpha

TIP: View the Readme file(s) to help decide which files you need to download.

Print this page with the list of downloadable files. It contains a list of the part numbers and their corresponding description that you may need to reference during the installation process.

Oracle® Rdb 7.1.1.0.0 CD Pack v2 for HP OpenVMS Alpha

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## INSTRUCTIONS:

This table can help you determine what downloads are required to run your licensees. Additional product downloads for which you have not purchased a license may be used only on a trial basis. Please identify the license and options you would like to run and correspond them to the files that you have to download. For information on the licensees that you have ordered, please refer to your Oracle Ordering Document. For information on trial license terms and conditions, please refer to the E-Delivery Trial License Agreement.

See Legend below on details regarding table notation.

- **X** Required downloads in order to run the associated products & licensees
- **D** Documentation is recommended. Please note that documentation CDs may also be viewed online at [http://www.oracle.com/documentation/index.html](http://www.oracle.com/documentation/index.html)
- **C** Download the Client software if applicable.
- **O** Optional download

### Oracle® Rdb (7.1.1.0.0) E-Pack For for HP OpenVMS Alpha

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E-Delivery Frequently Asked Questions

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Give E-Delivery feedback to Oracle

Oracle Resources for Information on Pricing, Licensing, Products, Services, and Technical

Oracle®
Summary

• After more than 10 years at Oracle, Rdb development continues because the Rdb business is healthy and valuable.
• Cooperation between the Oracle and HP development teams means better performance and manageability for you.
• Development strategy maximizes the value of your Rdb investment.
  – Oracle development tools and middleware
  – Oracle management tools and API’s
  – Oracle Database for reporting and data warehouses