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Oracle Rdb and Oracle Database on OpenVMS Product Update

Kevin Duffy
Director Software Development
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The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.



Agenda

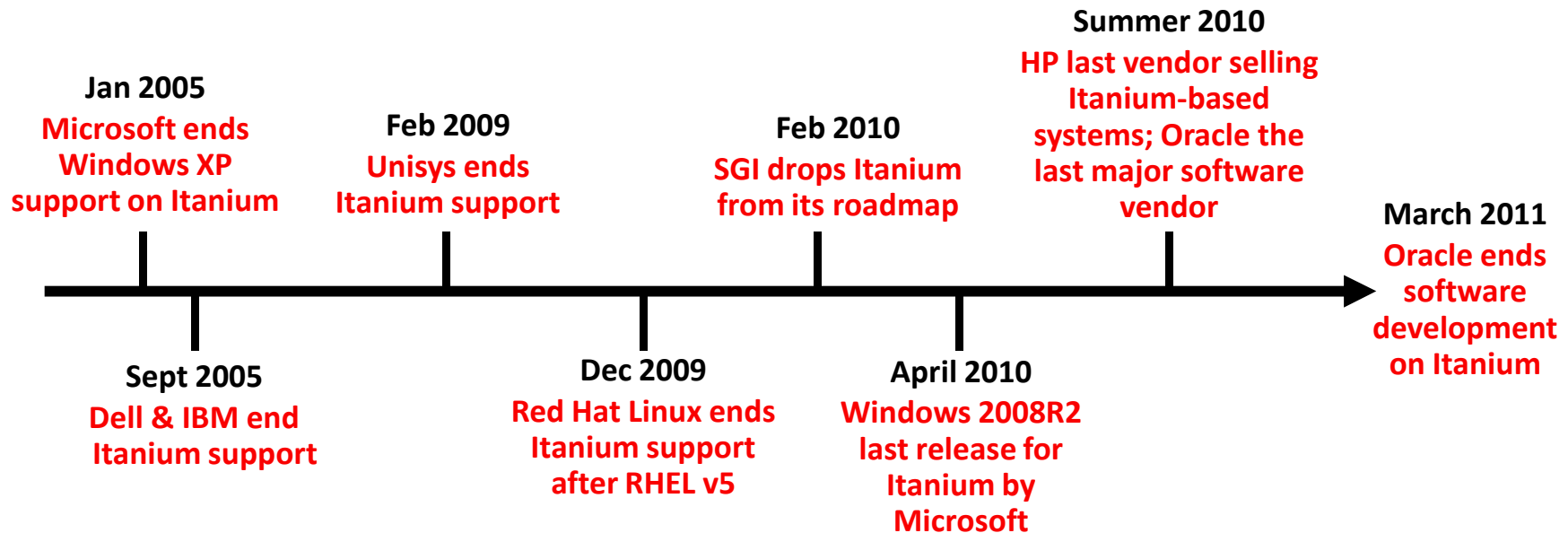
- What Was Announced
- Oracle Lifetime Support Policy
- Itanium Support Table
- Itanium Related Technical Support Policy Updates
- What does this mean for Oracle Rdb
- Oracle Rdb Customer Focus
- Oracle Rdb 7.3
- Oracle Rdb Training



Oracle Statement Summary - 3/22/11

- **What:** Oracle has discontinued all software development on the Intel Itanium microprocessor.
- **Why:** The announcement is based on changing market conditions and follows both RedHat and Microsoft in dropping Itanium support.
 - [Press Release](#)
- **What This Means:** Oracle will continue to provide support for the current products that are already certified on Itanium until the end of either the release's Premier or Extended Support period. After those end, we will continue to provide indefinite Sustaining Support, which does not include any new fixes.
 - [Oracle Lifetime Support Policy](#)

The Itanium Business Risk



It's time to begin addressing transition.



Navigating The Transition With Oracle

Legacy: Oracle DB on any platform

- RAS and scale for business critical computing
- Balanced system performance, systems management
- Industry standard, broad market adoption and support

Future Focus: Oracle HW and SW engineered to work together

- Affordable, mainframe-class RAS for mission critical computing
- Extreme performance, secure by default, integrated systems management, lowest total cost of ownership
- Open systems, industry standards, "one-stop" support

Charting the way forward from HP: HP Migration Workshop

- Finding the right solutions for your current and future needs
- Reducing risk and cost, protecting your investments

Oracle Strategy



Complete Stack

- Best-of-breed
- Open
- Vertical Integration
- Extreme Performance
- Engineered Systems

Complete Customer Choice

- On-premise
- Private Cloud
- Public Cloud
- Hybrid Cloud



Oracle's Lifetime Support Policy offers three stages of support for Itanium-based servers

- **Oracle Premier Support** provides customers with maintenance and support of Oracle software on Itanium servers for five years from the general availability date of the software release.
- **Oracle Extended Support** provides customers with an extra three years of support for specific Oracle releases for an additional fee. Customers benefit from the same quality of service received with Oracle Premier Support, with the security of knowing they can migrate their software to a new platform when the time is right.
- **Oracle Sustaining Support** customers will receive technical support for as long as they operate their Itanium-based systems—including access to online support tools, knowledge bases, pre-existing fixes and assistance from technical support experts.
- Oracle Lifetime Support

Technology Applications

Itanium Support Dates

Oracle Software	Last Version Available On Itanium-based HP Servers	GA Date	Premier Support available until:	Extended Support available until:	Next Software Release Not Available On Itanium-based HP Servers
Fusion Middleware	11gR1	6/09-11/10	6/14-11/15	6/17-11/18	12g
Business Intelligence	11gR1	8/10	8/15	8/17	12g
Oracle Database	11gR2	9/09	1/15	1/18	12g
MySQL	5.5	12/10	12/15	12/18	5.6
Enterprise Manager	11gR1	4/10	4/15	4/18	12g
Linux	5.6	3/07	3/15	NA	6.0
Oracle Rdb	7.3	3/11	3/16	3/19	7.4 or 8.0

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Oracle customers should use [My Oracle Support](#) to confirm the support timelines for their specific configurations.

Application Software

Itanium Support Dates

Oracle Software	Last Version Available On Itanium-based HP Servers	GA Date	Premier Support available until:	Extended Support available until:	Next Software Release Not Available On Itanium-based HP Servers
E-Business Suite	12.1	5/09	5/14	5/17	12.2
PeopleSoft	9.1	9/09-11/09	9/14-11/14	9/17-11/17	9.2
JD Edwards	9	9/08	9/13	9/16	9.1
Siebel	8.1	11/08	11/13	11/16	8.2
Hyperion	11.1	4/10	4/15	4/18	11.2

Oracle customers should use [My Oracle Support](#) to confirm the support timelines for their specific configurations.

Application Software

Itanium Support Dates

Oracle Software	Last Version Available On Itanium-based HP Servers	GA Date	Premier Support available until:	Extended Support available until:	Next Software Release Not Available On Itanium-based HP Servers
Fusion Applications	Not planned				Not planned
Agile	9.3	9/10	9/15	9/18	9.4 or 10.0
Agile for Process	6.0	9/09	9/14	9/17	6.1 or 7.0
Demantra	7.3	8/09	8/14	NA	7.4 or 8.0
gLog/OTM	6.2	5/09	5/14	5/17	6.3 or 7.0

Oracle customers should use [My Oracle Support](#) to confirm the support timelines for their specific configurations.



Tuxedo and OMQ

- Tuxedo
 - Version 11.1.1.3 was released this year and will likely be the last version on OpenVMS.
 - Extended Support ends April, 2018
- OMQ
 - Version 5.0 supported as long as HP supports OpenVMS
 - There is no plan to certify and support newer OS beyond OpenVMS 8.3 Alpha and 8.3.1 1-H-1 Itanium.
 - Platform Certification shown in:
http://download.oracle.com/docs/cd/E13161_01/tuxedo/mqplatforms/pdf/mqplats.pdf
 - Support dates shown in:
<http://www.oracle.com/us/support/library/lifetime-support-middleware-069163.pdf>



Technical Support Policy Updates

- **Database 10gR2 – Itanium Platforms**

- Three (3) 10gR2 Itanium platforms will receive fee waiver for all 3 years of Extended Support, August 2010 – July 2013
- Platforms will also receive an extension to Extended Support. The extension will provide S1 fixes only, no CPUs.
- Additional Extended Support periods will be available for then-current Extended Support fees

Itanium Platforms	
Platform	Additional Extended Support: S1 Fixes Only
Linux Itanium	August 2013 – July 2015
Windows Itanium	August 2013 – July 2015
HP OpenVMS on Itanium	August 2013 – July 2017

Client / Server / Interoperability Support Between Different Oracle Versions

Client Version	Server Version											
	11.2.0	11.1.0	10.2.0	10.1.0	9.2.0	9.0.1	8.1.7	8.1.6	8.1.5	8.0.6	8.0.5	7.3.4
11.2.0	Yes	Yes	<u>ES #7</u>	No	<u>LES #5</u>	No #3	No #3	No #3	No #3	No #3	No #3	No #3
11.1.0	Yes	Yes	<u>ES #7</u>	<u>ES #6</u>	<u>LES #5</u>	No #3	No #3	No #3	No #3	No #3	No #3	No #3
10.2.0	<u>ES #7</u>	<u>ES #7</u>	ES	ES	<u>LES #5</u>	No	Was	No #3	No #3	No #3	No #3	No #3
10.1.0(#4)	<u>ES #6</u>	<u>ES #6</u>	ES	ES	LES	Was	<u>Was #2</u>	No #3	No #3	No #3	No #3	No #3
9.2.0	<u>LES #5</u>	<u>LES #5</u>	<u>LES #5</u>	LES	LES	Was	Was	No	No	Was	No	<u>No #1</u>
9.0.1	No	No	No	Was	Was	Was	Was	Was	No	Was	No	Was
8.1.7	No	No	Was	Was	Was	Was	Was	Was	Was	Was	Was	Was
8.1.6	No	No	No	No	No	Was	Was	Was	Was	Was	Was	Was
8.1.5	No	No	No	No	No	No	Was	Was	Was	Was	Was	Was
8.0.6	No	No	No	No	Was	Was	Was	Was	Was	Was	Was	Was
8.0.5	No	No	No	No	No	No	Was	Was	Was	Was	Was	Was
7.3.4	No	No	No	No	Was	Was	Was	Was	Was	Was	Was	Was

Client / Server / Interoperability Support Between Different Oracle Versions Key

Yes	Supported
LES	Supported but fixes only possible for severity 1 issues for customers with Extended Support . Limitations apply - see click here for policy details for 9.2 .
ES	Supported but fixes only possible for customers with Extended Support .
Was	Was a supported combination but one of the releases is no longer covered by any of Premier Support , Primary Error Correct support , Extended Support nor Extended Maintenance Support so fixes are no longer possible.
No	Has never been Supported



11g Client Kit Contents

- Oracle SQLJ
- Oracle Database Utilities
- Oracle Java Client
- SQL*Plus
- Oracle JDBC/THIN Interfaces
- Oracle Internet Directory Client
- Oracle Call Interface (OCI)
- Oracle Programmer
- Oracle XML Development Kit
- Oracle Advanced Security
- Enterprise Manager Minimal Integration
- OLAP Analytic Workspace Manager and Worksheet
- Oracle Net

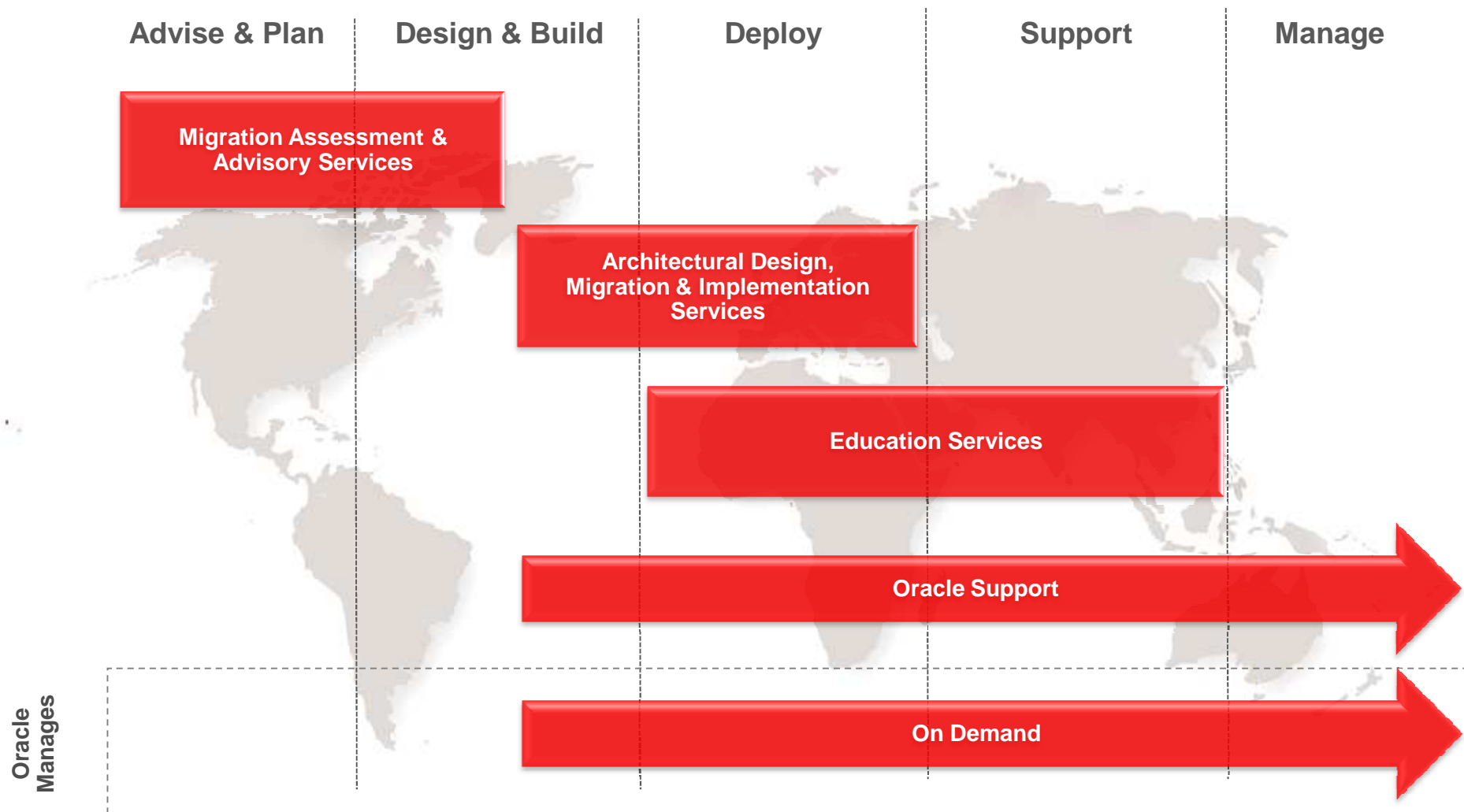


11g Client Kit Contents (cont.)

- Oracle Connection Manager
- Oracle Net Listener
- Oracle Multimedia Client Option
- Oracle ODBC Driver
- Oracle Clusterware High Availability API
- Oracle SQL Developer
- Oracle Scheduler Agent
- Oracle Services For Microsoft Transaction Server
- Oracle Administration Assistant for Windows
- Oracle Counters for Windows Performance Monitor
- Oracle Objects for OLE
- Oracle Provider for OLE DB
- Oracle Data Provider for .NET
- Oracle Providers for ASP.NET

Oracle Migration Solution For HP Environments

Comprehensive Offerings





Where To Go For Questions Regarding Itanium Announcement

- Oracle Database Support on the Itanium Processor Architecture
 - <https://support.oracle.com/CSP/main/article?cmd=show&type=NOT&doctype=ANNOUNCEMENT&id=1307745.1>
- Oracle Technical Support Policy
 - <http://www.oracle.com/us/support/library/057419.pdf>
- Oracle Lifetime Support Policy
 - <http://www.oracle.com/us/support/library/lifetime-support-technology-069183.pdf>
- My Oracle Support
 - <http://www.myoraclesupport.com/>



Rdb Product Family Lifetime Support Dates

	General Availability	Premier Support Ends	Extended Support Ends	Sustaining Support Ends
Rdb 7.0	Oct 1996	Aug 2007	Aug 2009	Indefinite
Rdb 7.1	Jul 2001	Dec 2007	Dec 2010	Indefinite
Rdb 7.2	Jan 2006	Jan 2013	Jan 2016	Indefinite
Rdb 7.3	Mar 2011	Mar 2016	Mar 2019	Indefinite



Patches for Oracle Databases

- **PSU – Patch Set Update (recommended bug fixes + security fixes)**
 - Patch Set Updates are released every January, April, July and October (on the second Tuesday of the month)
- **CPU – Critical Patch Update (security fixes only)**
 - ALL CPU patches for OpenVMS platforms are “On Request”
- **One-off Patches**
- **Generic Patches**



Rdb Marketing Focus

- Focus on meeting our customers' needs
- Rdb Web page, Rdb Web Journal, MetaLink, OTN
- Rdb management personal customer visits /meetings
 - Well over 100 per year
- Events
 - Oracle OpenWorld
 - Oracle Users' Group
- **Technical Forums (2011)**
 - Europe
 - Munich: Sep 8-9
 - Stockholm: Sep 12-13
 - Utrecht: Sep 15-16
 - North America
 - Burlington: Sep 22-23
 - Redwood Shores: Oct 20-21
 - Asia Pacific
 - Sydney, December 5-6



Rdb 7.3

- Security
 - Transparent Data Encryption
 - Database Vault
- SQL
 - Oracle SQL Compliance
- Optimizer
 - Performance
- SQL Services/OCI Services 10.2.0.5 upgrade
- JDBC Upgrades
- Oracle Rdb Developer Tools for Visual Studio
 - Entity Framework
- SQL Developer for Oracle Rdb Upgrades
- New GUI for SQL/Services, JDBC and Oracle Rdb Developer Tools for Visual Studio Management



Rdb 7.3.1.0 Encryption

- Design and Implementation Guided By Oracle 10g & 11g Transparent Data Encryption (TDE)
- Encryption of Data “At Rest”
- Key Management
 - Oracle Wallet Manager
- Customer Demand for PCI-DSS Compliance
 - Standard Defined by the PCI Security Council
 - Founding Members are: American Express, Discover, JCB International, MasterCard, Visa



Oracle SQL/Services

- **7.3.1 (Shipped March, 2011)**
 - Includes:
 - 10.2.0.4 OCI Compliant
 - Security
- **7.3.0.3**
 - **Updated Oracle SQL/Services Server Configuration Guide**
 - new chapter on configuring OCI Services for Oracle Rdb
 - **Updated Help for SQLSRV_MANAGE**
 - **Sample Application When Installing Client Kit**
 - SYS\$COMMON:[SYSHLP.EXAMPLES.SQLSRV]
 - **Scan Intrusion Security Now Supported**

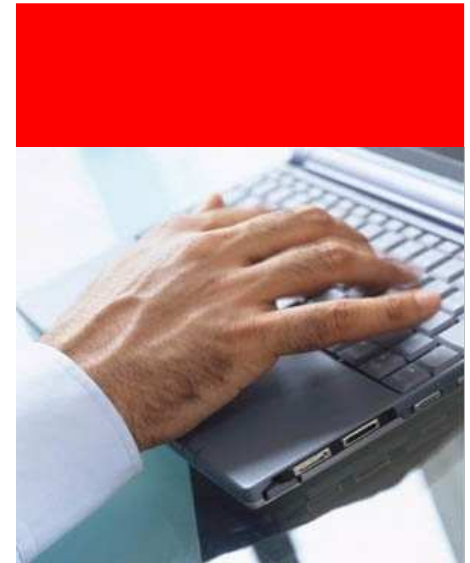


Oracle SQL/Services Client API Releases

- **7.3.1, (Shipped March 2011)**
 - Support for Oracle Linux and Redhat V5.0
 - New API call to get SQLSTATE
 - Updated Guide to Using the Oracle SQL/Services Client API and Help For SQL/Services
- **7.3.0.3**
 - SQL/Services Client API Kit
 - Update kit for 32-bit Windows Platforms
 - New kit for 64-bit Windows Platforms
 - New SQL/Services Client API Routines
 - DECnet No Longer Supported on Windows Platforms
 - Clarification of the BYTLM Check During Oracle SQL/Services Installation

Oracle Rdb JDBC Releases

- 7.3.0.2 – September, 2011
 - Performance
 - New Features
- 7.3.0.1 – February, 2011
- 7.3 – February, 2010
- 7.2.5.5 – December 2009
- 7.2.5.4 – September 2009
- 7.2.5.3 – June 2008



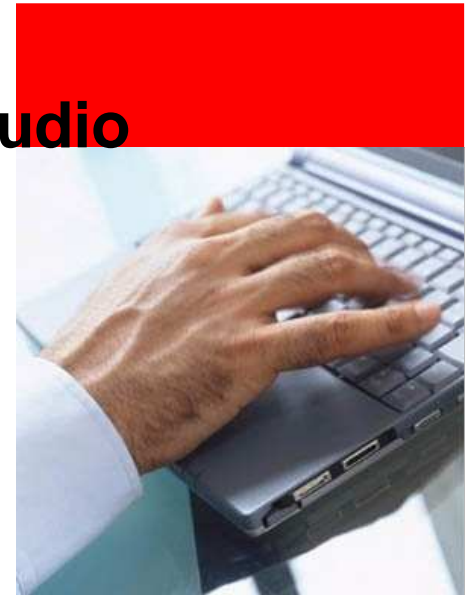


Oracle Rdb Developer Tools for Visual Studio

- Oracle Rdb Data Provider for .NET (ORDP.NET) is now distributed as part of the new Oracle Rdb product called Oracle Rdb Developer Tools for Visual Studio as of release 7.3.2.
 - Oracle no longer distributes ORDP.NET as a separate installation kit as it is now a component part of the ORDT distribution kit.
 - During the installation of ORDT you may choose to select the components you wish to install. If you do not wish to use the Visual Studio integration features of ORDT you may choose to install the ORDP.NET component only

Oracle Rdb Developer Tools for Visual Studio

- 7.3.2.1, September, 2011
 - Performance
 - New Features
- 7.3.2 , May, 2010
- 7.3.1.1, December, 2009
- 7.3.1, February, 2009

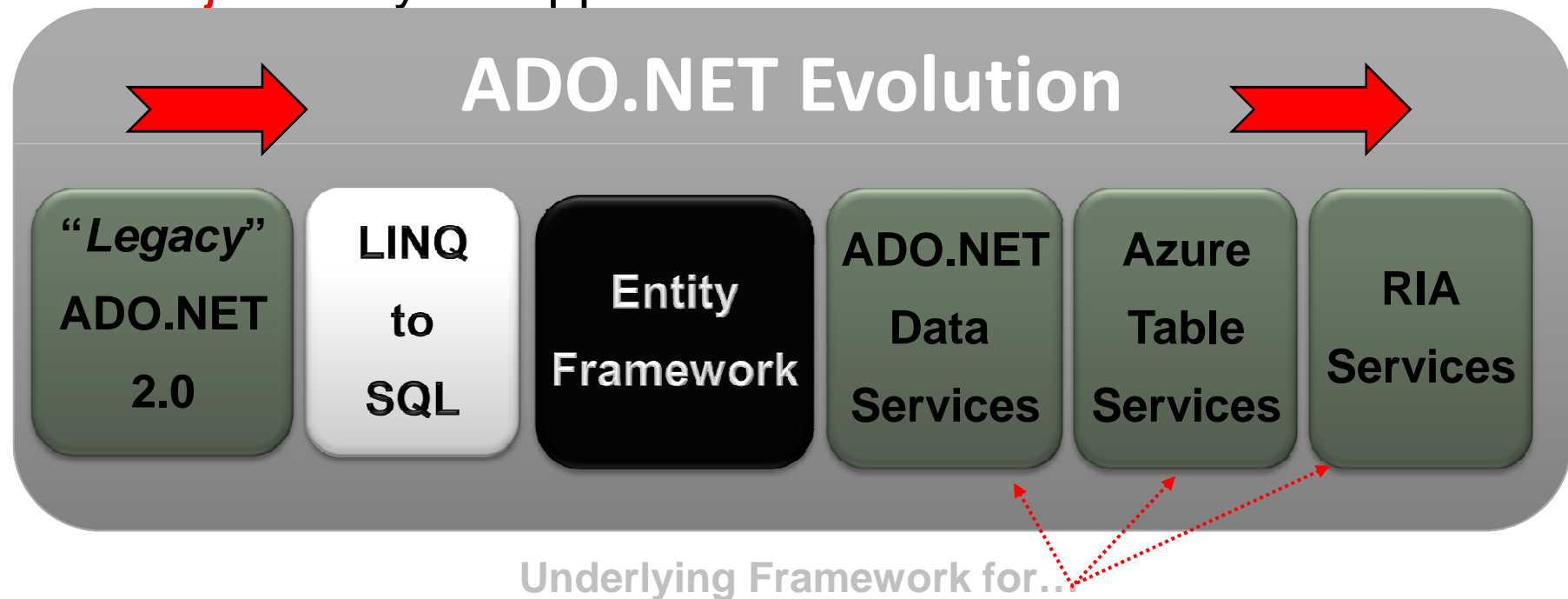


DDEX Provider for Visual Studio



What is Entity Framework?

- EF is a *data access framework* from Microsoft that helps *bridge the gap* between *data structures* and *objects* in your applications





SQL Developer For Rdb

SQL Developer provides

- A free client database development tool
- Comprehensive core functionality
- Great user experience
- Enhanced productivity
- Simplified database development tasks

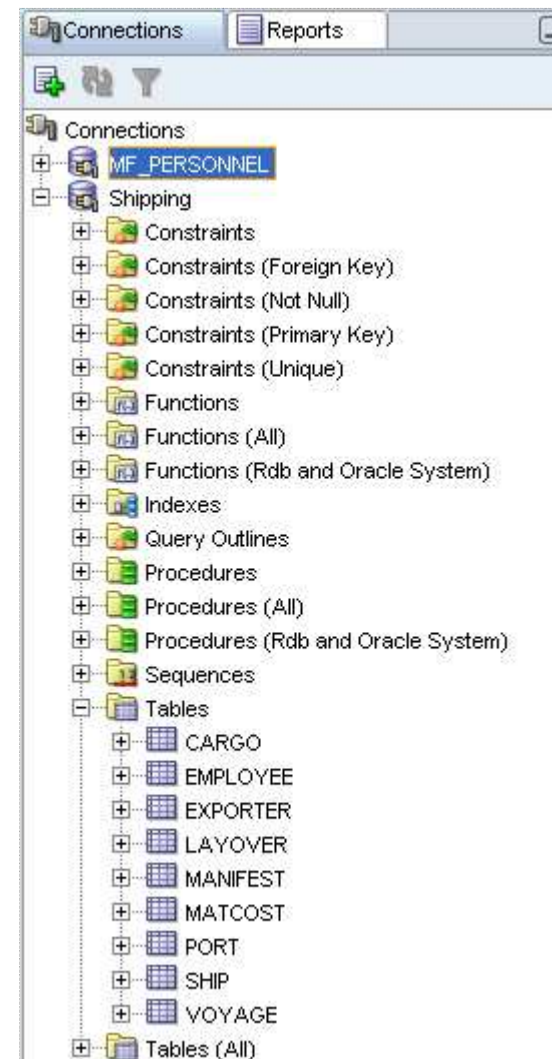


Product Overview

- Creating Connections
- Creating and Browsing Objects
- Querying Data
- Executing Queries
- Defining and Running Database Reports

Object Browsing

- Tree Based Object Browser
- Browse Database Objects
- Support for common objects
 - Tables, Views, Indexes
 - Procedures, Functions
 - Triggers, Constraints
 - Query Outlines



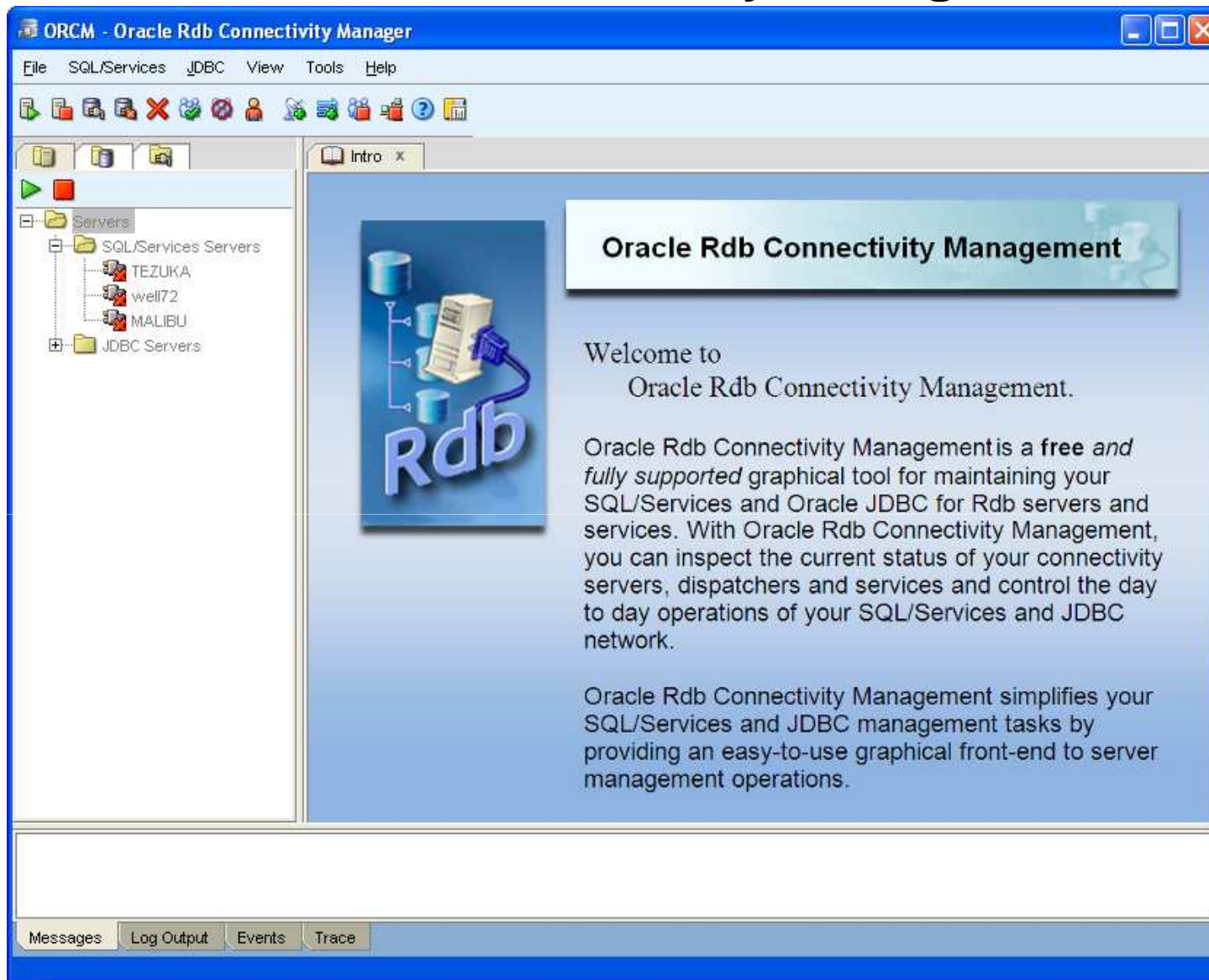
SQL Worksheet

- Syntax Highlighting
- Code Insight
- Single Statement Execution
- Script Execution
- Code Formatting
- Command History

The screenshot displays the Oracle SQL Worksheet interface. At the top, a toolbar contains icons for running, saving, and other functions, along with a timer showing 0.89672852 seconds. Below the toolbar is a text area labeled "Enter SQL Statement:" containing the query: `select * from employees where last_name starting with 'N'`. The query is syntax-highlighted. Below the text area is a tabbed interface with tabs for "Results", "Script Output", "Explain", "Autotrace", "DBMS Output", and "OWA Output". The "Results" tab is active, showing a table of query results. The table has six columns: EMPLOYEE_ID, LAST_NAME, FIRST_NAME, MIDDLE_INITIAL, ADDRESS_DATA_1, and ADDRESS. The results are as follows:

	EMPLOYEE_ID	LAST_NAME	FIRST_NAME	MIDDLE_INITIAL	ADDRESS_DATA_1	ADDRESS
1	00183	Nash	Walter	V	197 Lantern Lane	
2	00168	Nash	Norman	(null)	87 West Rd.	
3	00199	Nunez	Larry	B	117 West Rd.	

Oracle Rdb Connectivity Management





Summary

- Oracle on OpenVMS continues because Oracle Database & Oracle Rdb business is healthy & valuable
- Cooperation between Oracle & HP development teams means better performance and manageability for you
- Development strategy maximizes value of your Oracle Database & Oracle Rdb investment.
 - Oracle development tools & middleware
 - Oracle management tools & API's
 - Oracle Database for reporting & data warehouses



Training Partner List

- **Europe, Asia, Middle East and Africa**

- VX Company

- Baarn, The Netherlands

- <http://www.vxcompany.com/rdbtrainingcourses>



- **Americas**

- JCC Consulting, Inc.

- Granville, Ohio, United States

- <http://www.jcc.com/>



- **Oracle CODASYL DBMS Worldwide**

- Software Concepts International

- Nashua, New Hampshire, United States

- <http://www.sciinc.com/>






Q & A

QUESTIONS
ANSWERS

SOFTWARE. HARDWARE. COMPLETE.



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