



ORACLE

Oracle and Open Source

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Oracle's Strategy: Complete. Open. Integrated.



- Built together
- Tested together
- Managed together
- Serviced together
- Based on open standards
- Lower cost
- Lower risk
- More reliable



Support For Open Standards

Integrating Real-World Heterogeneous Environments





Complete. Open. Integrated. Two more important attributes



- Oracle never settles for being second best at any level of the stack
- "Complete" means we meet most customer requirements at every level
- That's why open source matters to Oracle and Oracle customers



Oracle and Open Source



Oracle's View on Open Source

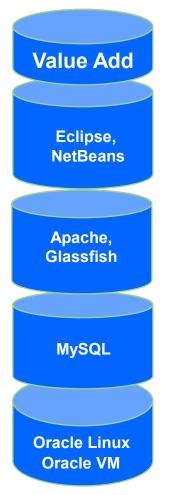
- Oracle is primarily driven by customer demand
- Open Source is a way to develop and distribute software; it is not a strategy or a business model
- Open Standards are crucial
- Oracle is committed to supporting, developing, promoting, and adopting viable open source technologies
- If you want to use open source for business critical areas, look for a vendor with:
 - Strong financials, with staying power
 - Enterprise-class support, including global scale and reach
 - Global brand
 - Strategic relationships with the customer

Oracle's Investment in Open Source

- Supported popular open source projects for many years
- Part of Oracle's Complete, Open, Integrated strategy
- Speed up time-to-innovation
- Expand the developer community



Industry's Most Complete (L)AMP Stack



- Oracle's investment in open source continues
 - Enterprise Linux
 - Solaris
 - VM (Xen)
 - Apache
- MySQL and GlassFish complete the picture

Oracle Linux

- Enterprise-class support for Linux
- Our code is accepted into mainline kernel
 - File Systems OCFS, Btrfs; Clustering
 - Data Integrity
 - Storage Validation
 - Asynchronous I/O
 - Virtualization
- Real-world testing with Validated Configurations
- The Linux Foundation board member
- Licensee of Open Invention Network (OIN)



Unbreakable

Committed to working with the Linux Community

More Than 5,500 Customers...and growing Rely on Oracle Linux



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Oracle VM

- Oracle VM Server for x86
 - Enhancing Xen
 - Free to download, use and distribute
 - Oracle VM Templates
 - Oracle VM Storage Connect Framework
 - Enterprise-quality support
- Oracle VM VirtualBox
 - Continued development and enhanced support





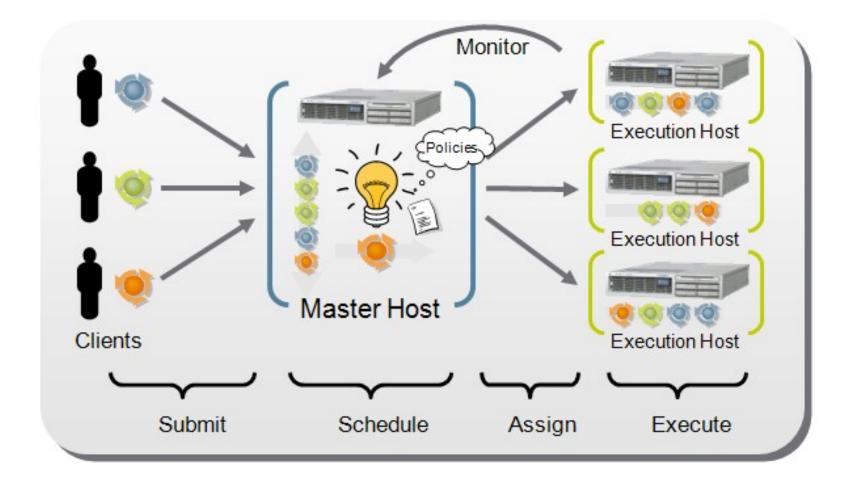
VM





What About (Oracle) Grid Engine

Grid Engine : Enterprise class scheduler for optimized workload management



Unmatched Scalability

- Formally support for 63,000 cores
- Customers running with more than 6000 nodes
- Customers processing more than 30,000,000 jobs per month
- Can accept over 1000 job submissions per second
- Can dispatch over 1000 jobs per second
 - Assuming enough resources are available
- All in a single Oracle Grid Engine cluster



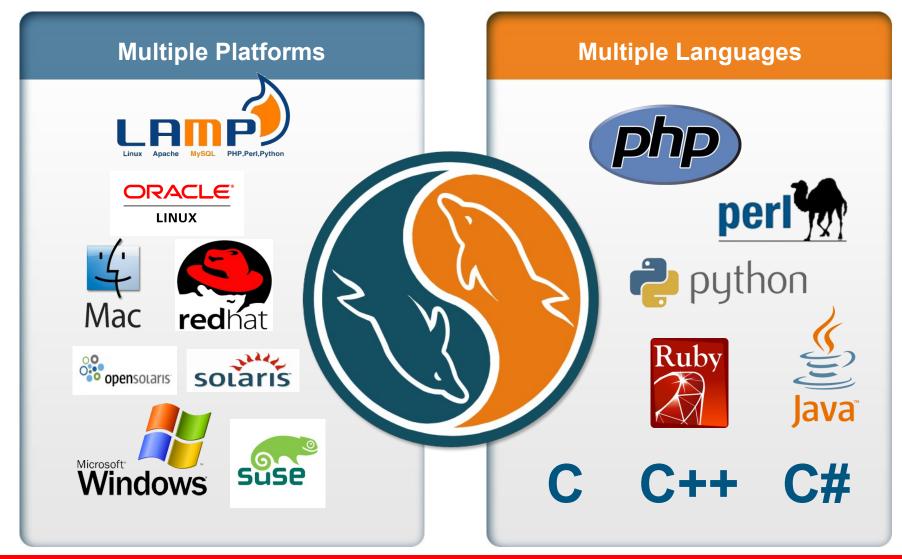
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More On Grid Engine



- •Main product page
 - http://www.oracle.com/us/products/tools/oracle-grid-engine-075549.html
- Technical information and downloads
 - http://www.oracle.com/technetwork/oem/grid-engine-166852.html
- •So where is the Open Source?
 - Open Grid Scheduler
 - http://gridscheduler.sourceforge.net/

MySQL is Everywhere



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Investment in MySQL Rapid Innovation

Make MySQL a Better MySQL

- #1 Open Source Database for Web Applications
- Most Complete LAMP Stack
- Telecom & Embedded

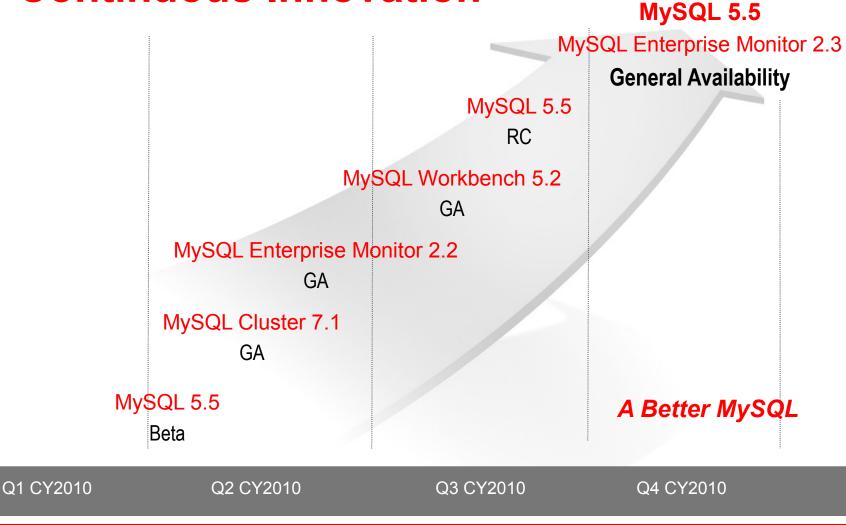
Develop, Promote and Support MySQL

- Improve engineering, consulting and support
- Leverage 24x7, World-Class Oracle Support

MySQL Community Edition

- Source and binary releases
- GPL license

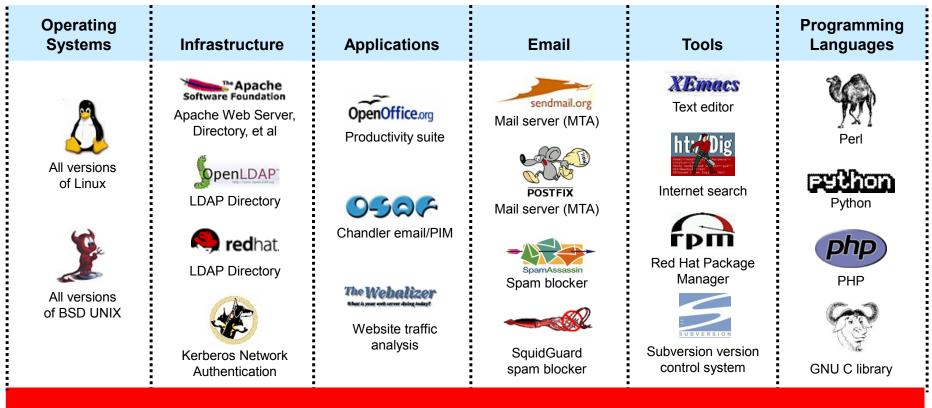
MySQL Product Releases Continuous Innovation



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Oracle Berkeley DB

Open Source Embeddable Database Engines



Oracle Berkeley DB



Java



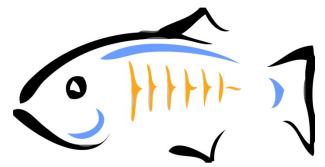
- Enhance and extend reach of the Java Programming Model to emerging Application Development Paradigms
- Integrate and Simplify the Java Platform optimizing it for a variety of existing and new Deployment Architectures
- Invest in and revitalize Java Developer Community with best of breed Java Technology and more participatory community process

Java & Open Source: OpenJDK

- Oracle and IBM now collaborating on OpenJDK as the Java SE Open Source implementation
- 2 Major New OpenJDK Releases Planned:
 - JDK 7 in 2011
 - JDK 8 in 2012
- Focus on Dynamically-Typed Language Support and Java Language Advancements
- Committed Feature List for 2011:
- <u>openjdk.java.net/projects/jdk7/features/</u>
- More External Contributors are Welcome!

Java & Open Source: GlassFish

- Oracle Continues to Invest in GlassFish as the Java EE Reference Implementation
- 8 Million GlassFish Downloads in 2009
- 2 New GlassFish Releases in 2011
- Committed Feature List for 2011:
- <u>http://glassfish.dev.java.net/roadmap/</u>
- More External Contributors Welcome!



Java & Open Source: Development Tools

NetBeans





- 2 New NetBeans Releases in 2011
- 20% Increase in Users in 6 Months
- Committed Feature List & Builds:
- <u>netbeans.org/community/releases/roadmap.html</u>
- Oracle Enterprise Pack for Eclipse
- Oracle committed to making JavaFX components available in Open Source (JavaFX.com)

Eclipse #2 Code Committer to Eclipse projects

- Web Tools Project leadership
 - JSF Tooling, Web Page Editor, Dali Tools, JSI Facelets incubator, Library Provider Framework, WTP common tools
- Community Leadership
 - Strategic developer member, Board representation, Development process
- Additional Eclipse projects
 - EclipseLink, Oracle Database Tools, Eclipse Gemini ProjectTeneo
- Continued delivery of new features in Oracle Enterprise Pack for Eclipse 11g













- NetBeans continues as Lightweight IDE for Java Developers
- Focus on Java EE6, Java ME, and Scripting
- Increased focus on Mobile Development and Scripting with Dynamic Languages
- Hudson continues as Open Source Continuous Build solution



Dynamic Languages





- Contributions to Community Adapters for the Oracle Database
 - PHP OCI8, Ruby OCI8, Python Cx-Oracle, Perl DBD::Oracle
 - Scalable and Reliable Deployment of Web Applications
 - Extreme Connection Scalability with Database Resident Connection Pool (DRCP)*
 - High-Availability with RAC
 - Disaster Recovery with Data Guard
 - Built-in Performance e.g., Partitioning, Query Optimizer



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Resources

- Oracle and Open Source http://www.oracle.com/opensource
- Open Source Projects http://oss.oracle.com

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Home	Products and Services	Industries	Support	Store	Partners	Communities	About	
Cloud Comp	uting	aclo's Sunn	ort for One	an Sourc	e and One	n Standarde		Oracle 1-800-633-0691
BPM		Oracle's Support for Open Source and Open Standards						Have Oracle call you
Data Wareh	ousing	Oracle is committed to offering choice, flexibility, and lower cost of computing for end users. By investing significant resources in developing, testing, optimizing, and supporting open source						Global contacts
Embedded								
Grid Computing		technologies such as MySQL, OpenOffice.org, GlassFish, Linux, PHP, Apache, Eclipse, Berkeley						Oracle Store
Information		DB, NetBeans, VirtualBox, Xen, and InnoDB, Oracle is clearly embracing and offering leading open source solutions as a viable choice for development and deployment.						
Managemen Microsoft		We cannot stress the importance of using open standards enough, whether in the context of open					Buy and Save Now	
Modernizati	so	source or non-space searce submitter. Today many calculate and a submitter search and the searce behaviour and the searce behaviour and the searce behaviour and the behaviour of the searce behaviour and the searce behavio						Save 10% Today
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Open Source								Linux and Oracle VM support at the Oracle Store
PHP								and receive 10% off
RFID	▲ KE	4 KEY OPEN SOURCE INITIATIVES						Expand All Close All
SeaS								News
Oracle & Ja	va	 <u>MySQL</u> database—the world's most popular open source database for the Web. 					Computerworld: UMass,	
Oracle & Lin		 GlassFish—a lightweight, flexible, and open source application server, is the first compatible implementation of the Java EE 6 platform specification. To learn about Java EE 6 features, go 					Interactive One Succeed with Oracle VII. Unbreakable Linux	
Oracle & S/		to the <u>Java EE Home</u> page.						Zend and Oracle Join Forces to
Oracle Virtu		<u>NetBeans</u> —offers a free, open-source Integrated Development Environment (IDE) for software					Deliver Enterprise-Class Linux and PHP Solutions	
		developers, along with all the tools you need to create professional desktop, enterprise, web, and mobile applications with the Java. CIC++, PHP, JavaScript, Groow, and Ruby, NetBeans						Profit Mapazine Special Report:



Questions ?

Answers !



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