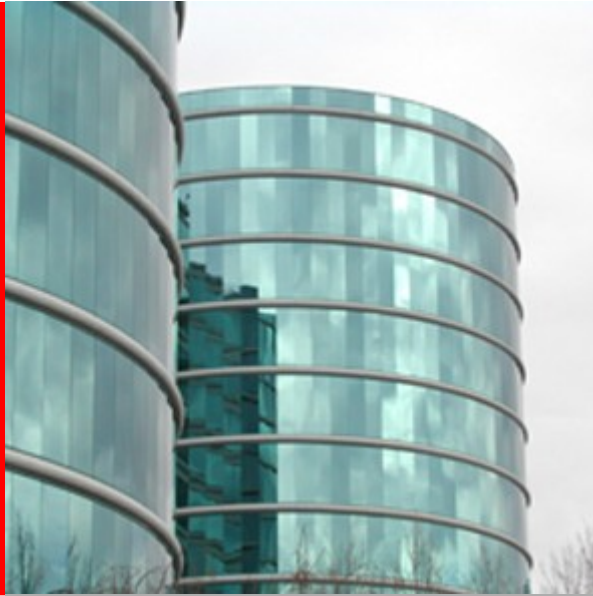


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Oracle and Open Source

Gilles Gravier
Open Source Director for Public Sector



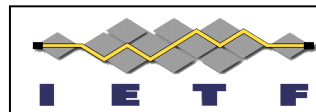
Oracle's Strategy: Complete. Open. Integrated.



- 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

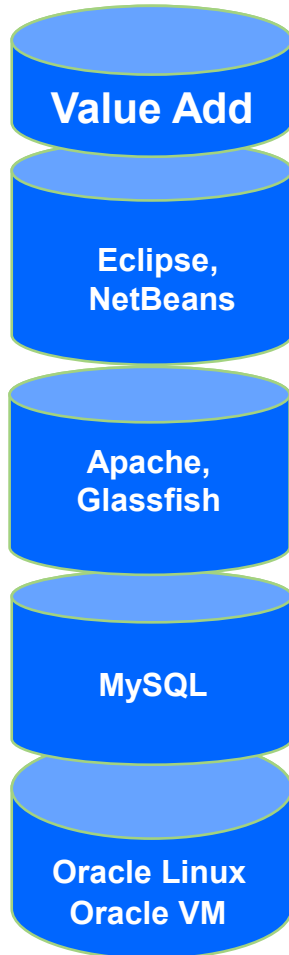
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- Open Source is a way to develop and distribute software; it is not a strategy or a business model
- Open Standards are crucial
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- If you want to use open source for business critical areas, look 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
Linux**

Committed to working with the Linux Community

More Than 5,500 Customers...and growing

Rely on Oracle Linux



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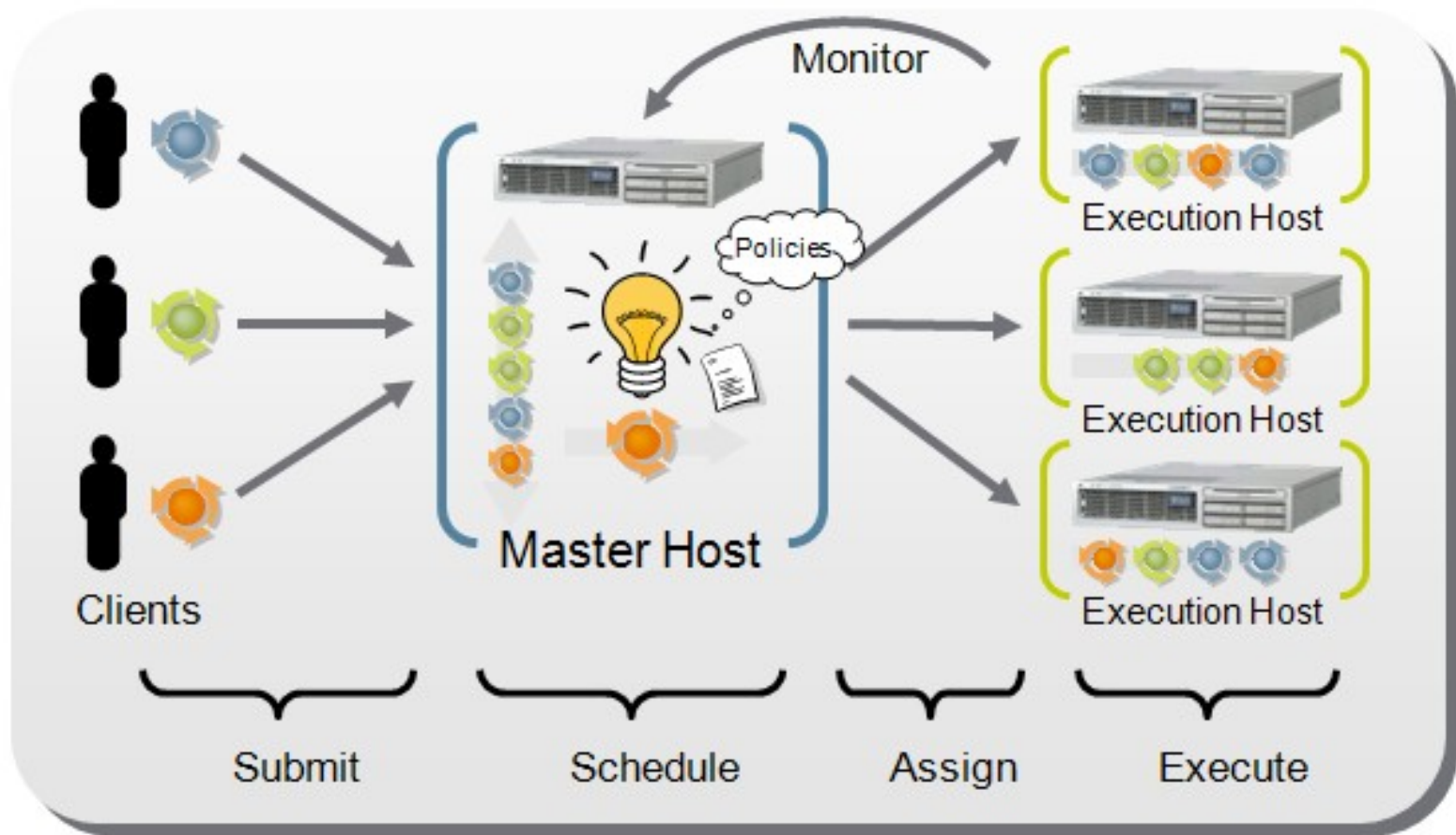
Oracle VM

- 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



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



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

Multiple Platforms



Mac



redhat



Multiple Languages



C

C++

C#

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Investment in MySQL

Rapid Innovation

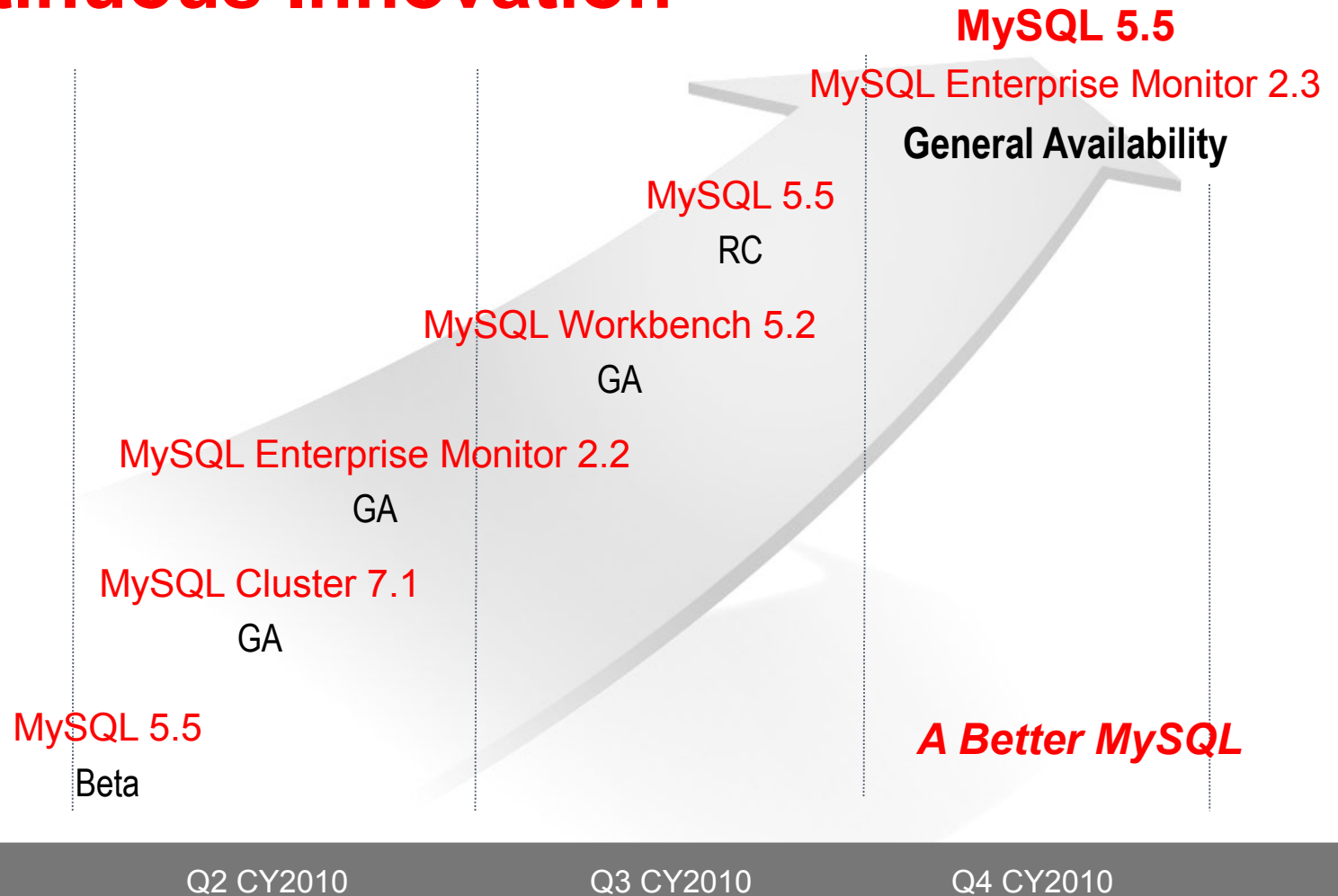
- **Make MySQL a Better MySQL**
 - #1 Open Source Database for Web Applications
 - Most Complete LAMP Stack
 - Telecom & Embedded
- **Develop, Promote and Support MySQL**
 - Improve engineering, consulting and support
 - Leverage 24x7, World-Class Oracle Support
- **MySQL Community Edition**
 - Source and binary releases
 - GPL license



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MySQL Product Releases

Continuous Innovation



Oracle Berkeley DB

Open Source Embeddable Database Engines

Operating Systems	Infrastructure	Applications	Email	Tools	Programming Languages
 All versions of Linux	 Apache Web Server, Directory, et al	 Productivity suite	 Mail server (MTA)	 Text editor	 Perl
	 LDAP Directory		 Mail server (MTA)	 Internet search	 Python
 All versions of BSD UNIX	 LDAP Directory	 Chandler email/PIM	 Spam blocker	 Red Hat Package Manager	 PHP
	 Kerberos Network Authentication	 Website traffic analysis	 SquidGuard spam blocker	 Subversion version control system	 GNU C library
Oracle Berkeley DB					

Java



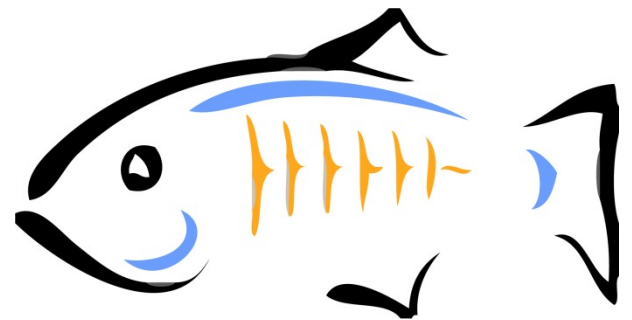
- Enhance and extend reach of the Java Programming Model to emerging Application Development Paradigms
- Integrate and Simplify the Java Platform optimizing it for a variety of existing and new Deployment Architectures
- Invest in and revitalize Java Developer Community with best of breed Java Technology 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:
- openjdk.java.net/projects/jdk7/features/
- 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:
- <http://glassfish.dev.java.net/roadmap/>
- 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:
- netbeans.org/community/releases/roadmap.html



- 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



- 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



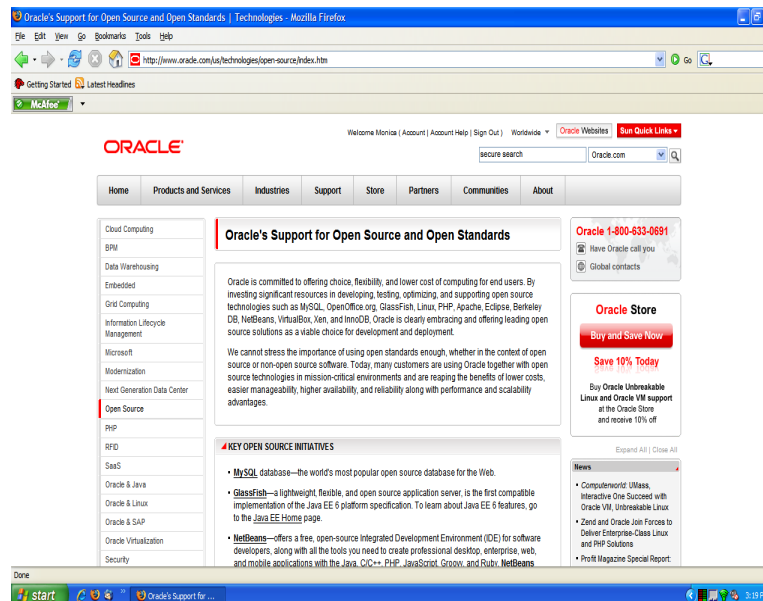
- PHP OCI8, Ruby OCI8, Python Cx-Oracle, Perl DBD::Oracle
- Scalable and Reliable Deployment of Web Applications
- Extreme Connection Scalability with Database Resident Connection Pool (DRCP)*
- High-Availability with RAC
- Disaster Recovery with Data Guard
- Built-in Performance e.g., Partitioning,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

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Resources

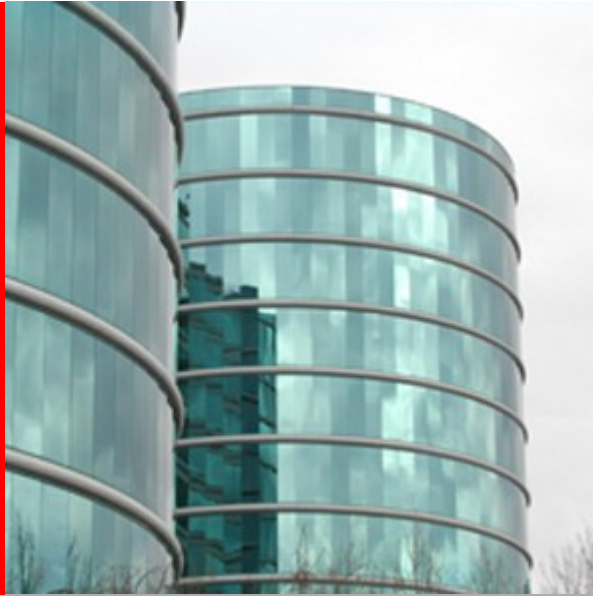
- Oracle and Open Source <http://www.oracle.com/opensource>
- Open Source Projects <http://oss.oracle.com>





Questions ?

Answers !



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Oracle and Open Source

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