




ORACLE®

Leading Open Source Innovation

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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.

Oracle's Strategy:

Hardware and Software Engineered Together



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

30+ Years of Open Standards Leadership

Integrating Real-World Heterogeneous Environments





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
- Open Standards are crucial
- Oracle is committed to supporting, developing, promoting, and adopting viable open source technologies

Oracle's Investment in Open Source

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- Enable developer communities
- Open standards are key

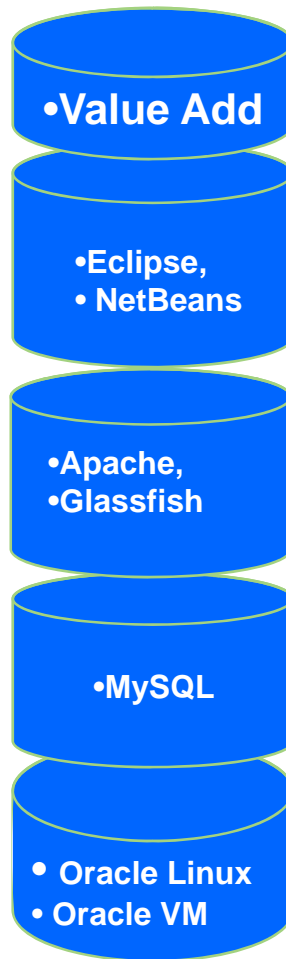




Lots of Open Source Comes From and Is Supported By Oracle Committers

- Sample Lines of Code for Some Major Projects
- OpenJDK: 7,002,579
- Eclipse: 1,800,000 (#3 in committers)
- MySQL: 5,073,113
- NetBeans: 7,870,446
- JSF: 701,980
- Apache MyFaces Trinidad: 1,316,840
- Hudson: 1,209,779
- OpenOffice.org: 7,500,000

Industry's Most Complete LAMP Stack



- LAMP = **L**inux, **A**pache, **M**ySQL, **P**HP
- Oracle's investment in open source continues
- Enterprise Linux
- VM (Xen)
- Apache
- MySQL and GlassFish complete the picture



The “L” in LAMP

Oracle Linux: Fast, Modern, Reliable

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



Oracle Linux - History



- Launched at Oracle Open World in 2006
- Freely available source and binaries
- Freely distributable binaries
- Oracle offers Linux support for RHEL and Oracle Linux
- Oracle's base Linux development platform
- Applications run unchanged
- **No Red Hat compatibility bug has ever been reported to Oracle**

More Than 6,000 Customers Use Oracle Linux



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NEW: The Unbreakable Enterprise Kernel

- Fast, modern, reliable and optimized for Oracle
- Used by Exadata and Exalogic for extreme performance
- Allows Oracle to innovate without sacrificing compatibility
- Oracle Linux now includes **both** the Unbreakable Enterprise Kernel **and** our existing Red Hat Compatible Kernel
- You choose at boot time: a system optimized for running Oracle software **or** strict Red Hat compatibility.

Oracle now recommends only the Unbreakable Enterprise Kernel for all Oracle software on Linux



Oracle's Contributions

ALL Linux kernel enhancements in general and specifically for The Unbreakable Enterprise Kernel are open source and have been made available to the Linux community.



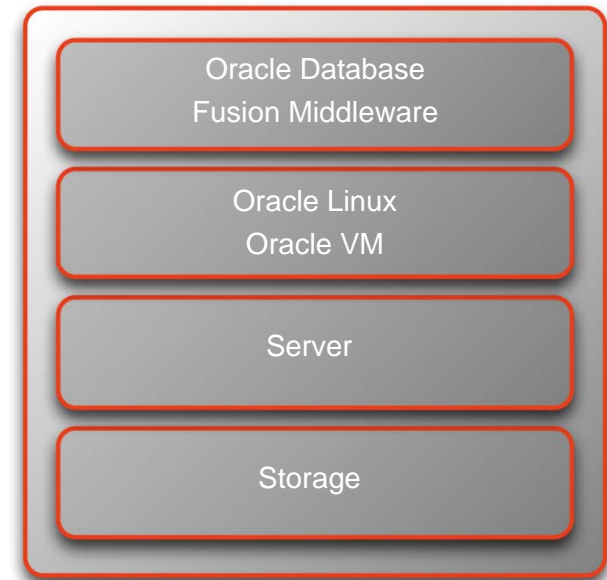
Focus on Linux Testing

- Real-world regression and stress testing
- Customer-centric testing:
- Test Linux features that matter to Oracle customers
- Oracle and non-Oracle workloads (e.g. backup) running concurrently
- Adverse conditions (low memory, low disk space, etc.)
- Long, continuously running stress tests (detect memory leaks)
- Check for performance regression and degradation

Testing: Oracle Validated Configurations

- Pre-tested, validated, and supported Linux architectures, including
- Software, hardware, storage, drivers, networking components
- Best practices for Linux deployment
- Real-world testing of complete stack
- More than 120 configurations published freely available for download

oracle.com/linux

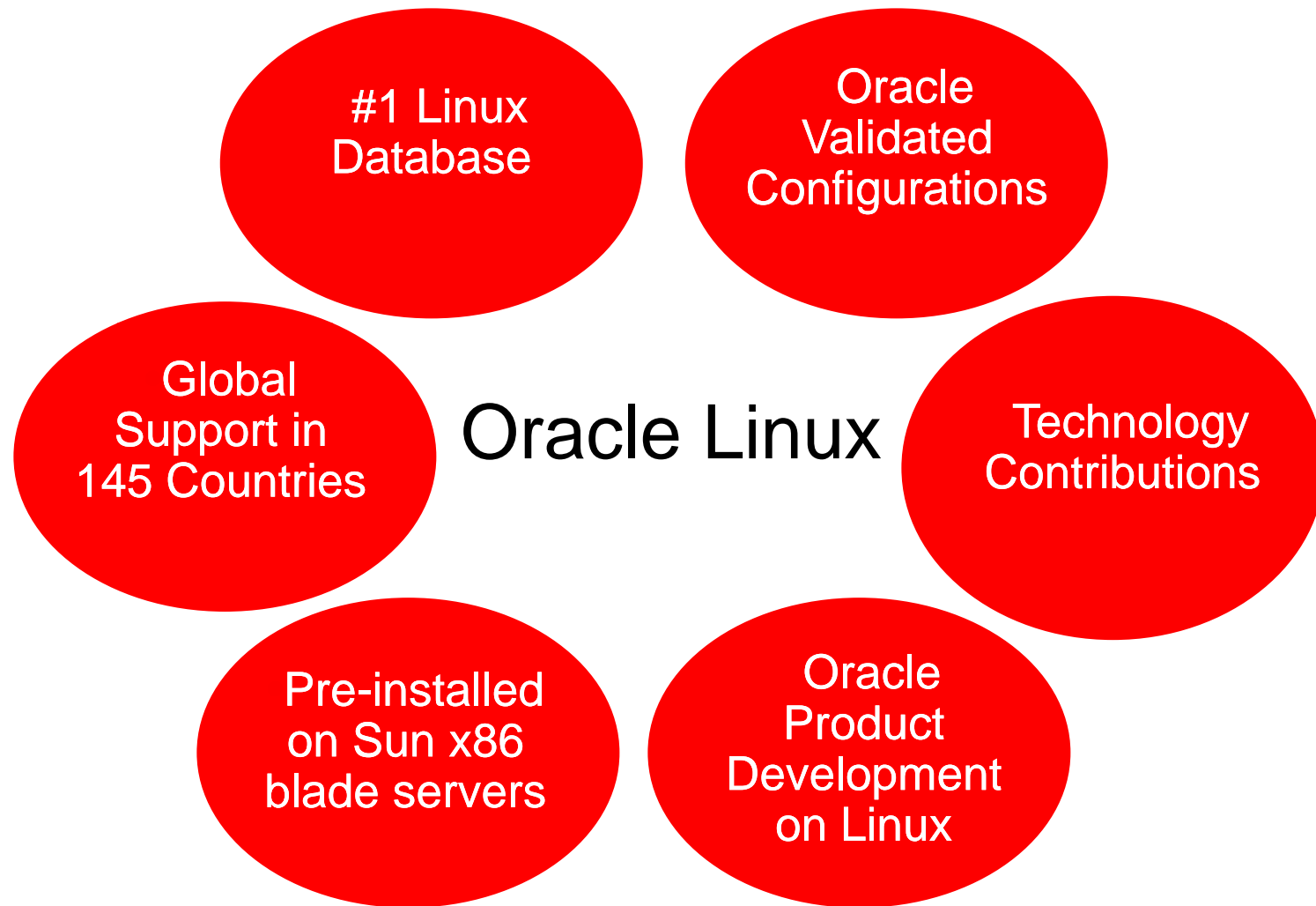


Oracle Validated Configurations offer faster Linux deployments while lowering infrastructure costs



Linux Leadership

Oracle Unbreakable Linux Program





The “M” in LAMP

**MySQL: The World’s Most Popular
Open Source Database**



Overview of MySQL

- 12 million product installations
- 65,000 downloads each day
- Part of the rapidly growing open source LAMP stack
- MySQL Enterprise Edition is our Commercial Offering



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MySQL is Everywhere

MULTIPLE PLATFORMS



MULTIPLE LANGUAGES



MySQL Customers



MySQL IS POWERING THE WEB

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MySQL Completes the Stack



- 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 MySQL matters to Oracle and Oracle customers



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

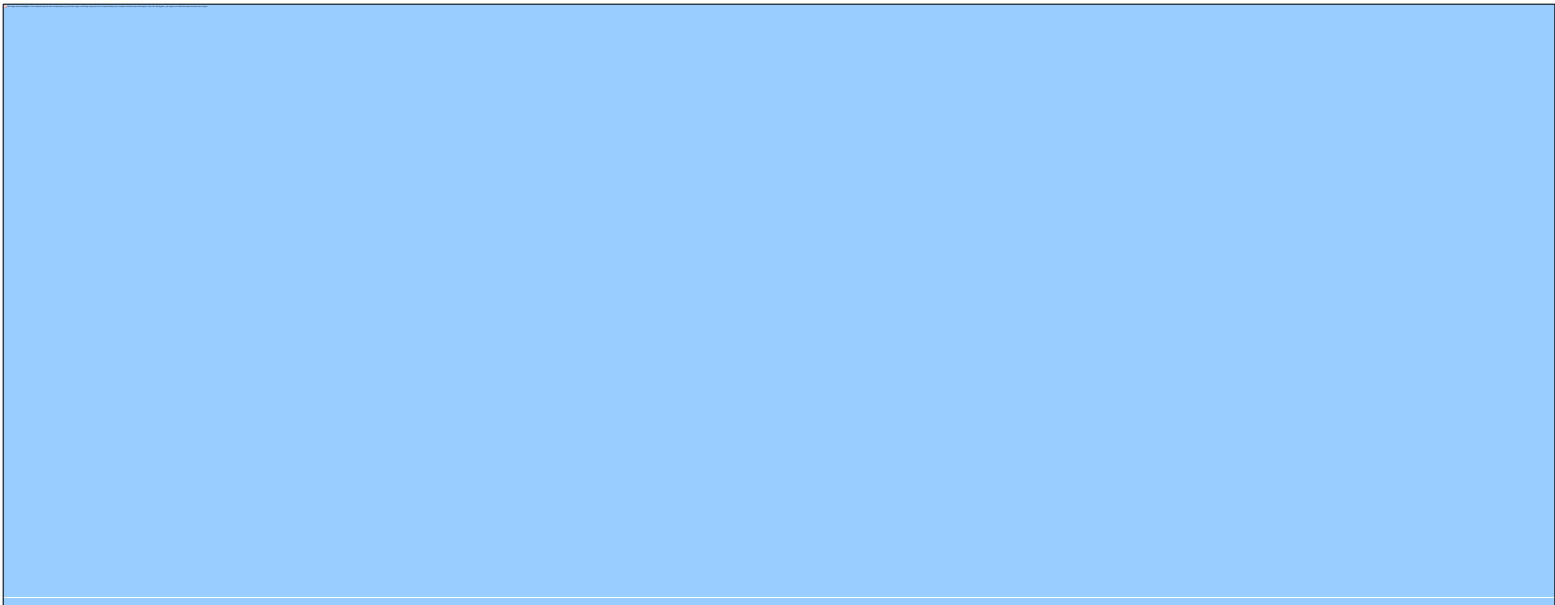




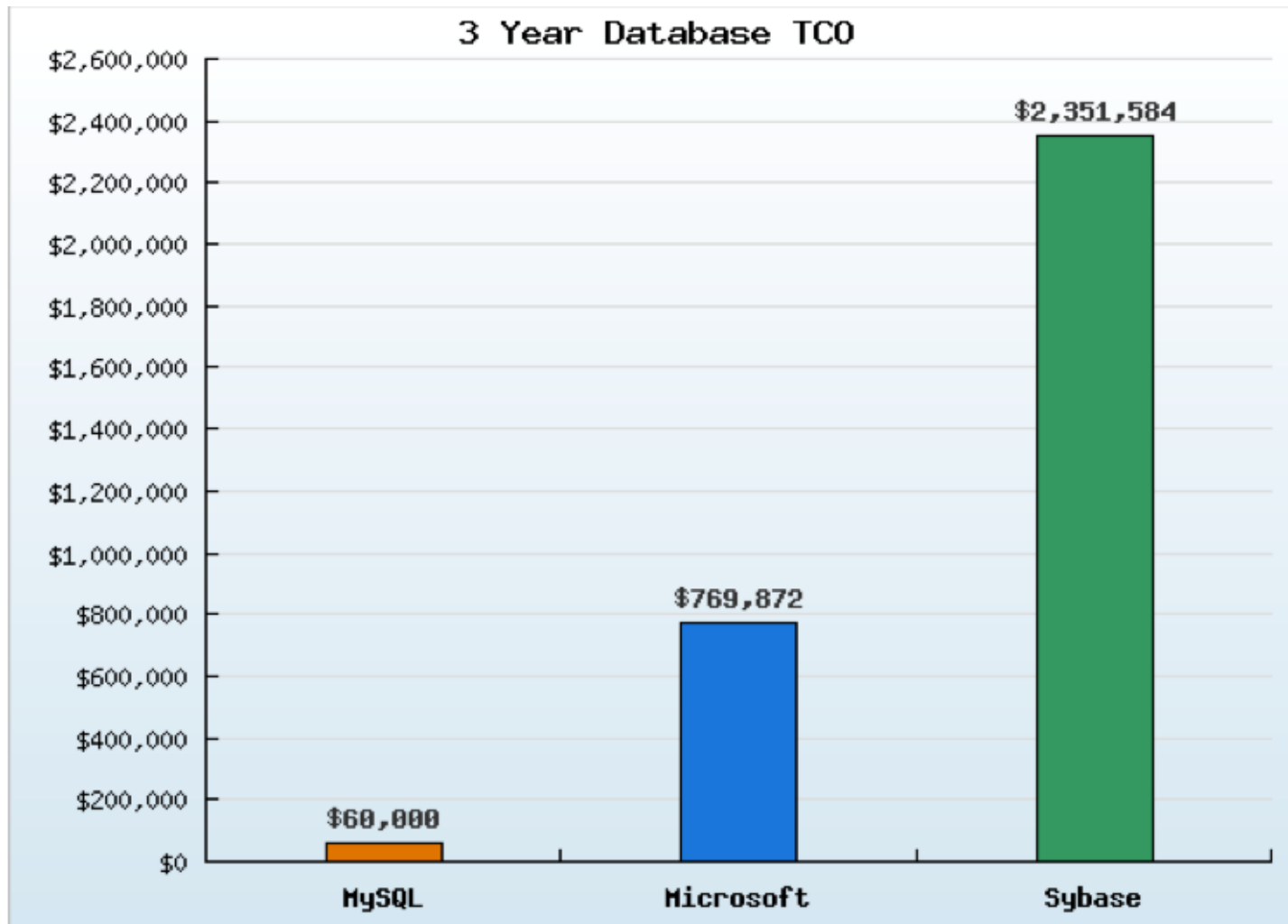
MySQL on Windows

The Right Choice

- **Significant Developer Adoption**
- Windows is the #1 development platform for MySQL
- Making MySQL better on Windows



MySQL TCO Savings



- Term: 3 Years
- Users: Unlimited (web)
- MySQL EE
- Microsoft SQL EE
- Sybase ASE EE
- Hardware: Intel x86
- Servers: 4
- Sockets/Server: 4
- Cores/Socket: 4

Enterprise Databases Applications

Choose MySQL For:

- Web Applications
- Datamarts & Analytics
- Custom Departmental Applications



Corporate

Departmental

Important

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Oracle Database and MySQL

Complementary

- Together servicing broader user needs
- MySQL well suited for web-based apps, custom departmental apps and embedded apps
- Users can benefit by running MySQL and Oracle together





Ticketmaster

Customer Success Profile

COMPANY OVERVIEW

- Ticketmaster is one of the world's largest e-commerce and ticketing sites online, operating in 18 global markets, and with 19 worldwide call centers.

APPLICATION

- Ticketmaster.com is an e-commerce website selling tickets for live concerts, professional and college sports teams, museums and theaters.

SOLUTIONS

- MySQL Enterprise Edition
- Oracle Database Enterprise Edition



KEY BUSINESS BENEFIT

- By migrating from Microsoft SQL Server to MySQL and Oracle, Ticketmaster.com scales 4 times better and grows the number of customers from 10 million to 100 million.

WHY MySQL+ ORACLE?

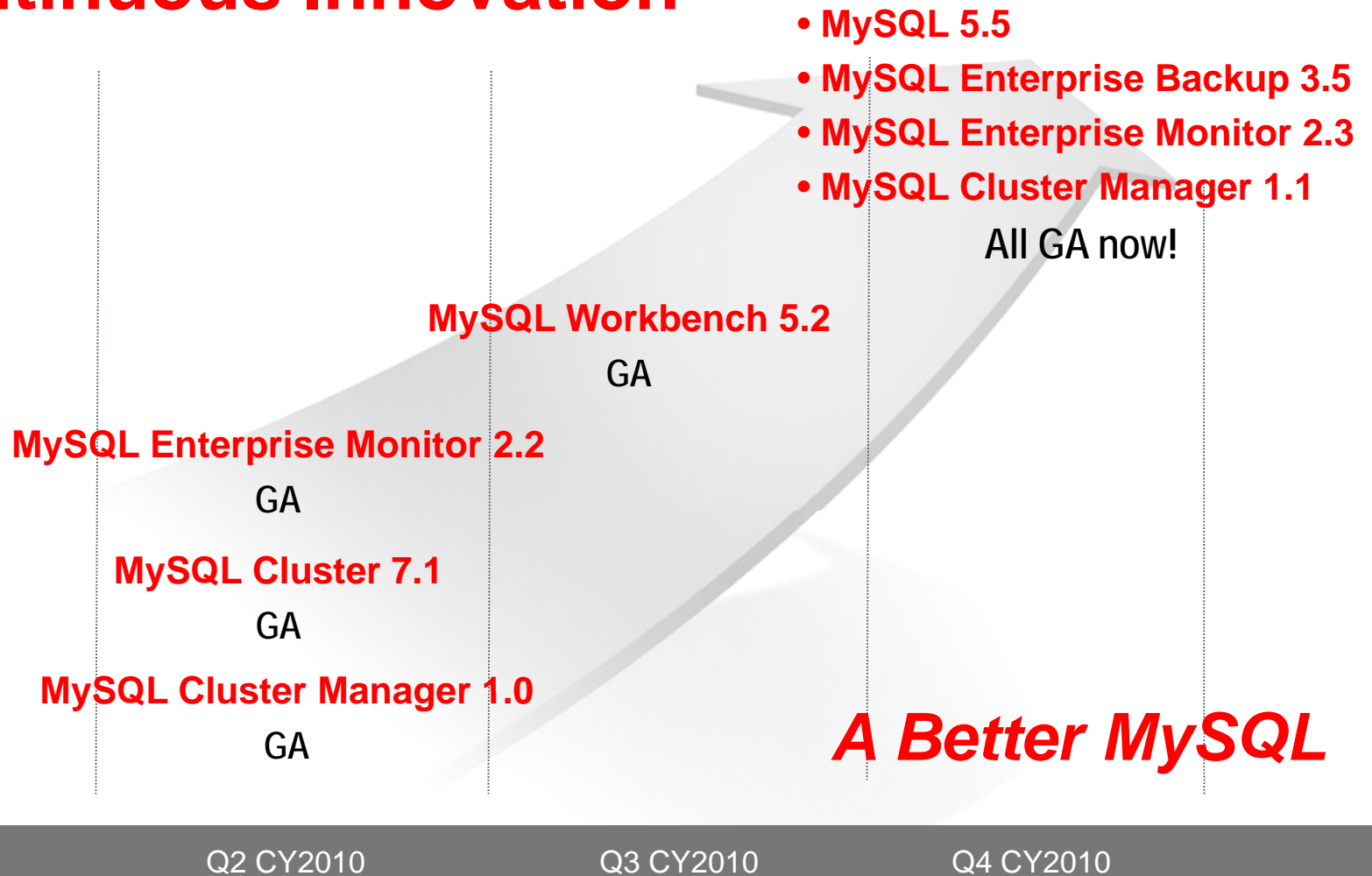
- "At Ticketmaster, we use MySQL and Oracle to complement each other. The end result is a highly-distributed, optimal-performing database environment that powers one of the largest e-commerce and ticketing sites in the world."

*Ed Presz – Sr. Director Database Engineering
Ticketmaster/Live Nation Entertainment, Inc.*

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MySQL Product Releases

Continuous Innovation





Key Takeaways

- MySQL is important to Oracle and our customers
- Part of our Complete, Open, Integrated strategy
- Oracle is making MySQL better **today**
- Major Feature, Performance, Scalability enhancements
- 24x7, Global support in 145 countries

More Information

www.mysql.com

Java Strategy



- Integrate and simplify the Java platform optimizing it for a variety of existing and new deployment architectures
- Enhance and extend reach of the Java programming model to emerging application development paradigms
- Invest in and revitalize Java developer community with best of breed Java technology and more participatory community process

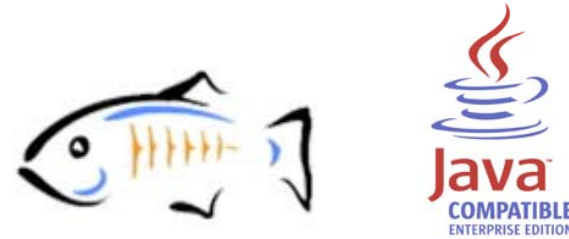
Open Source Java SE

OpenJDK

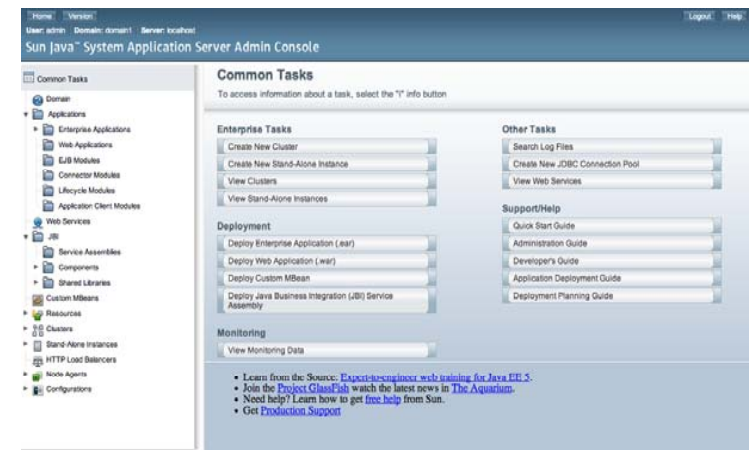
- Oracle Is Committed to the Best Open-Source Java Implementation
- Backed by Some of the biggest names in software:
 - “Oracle and **IBM** Collaborate to Accelerate Java Innovation Through OpenJDK”
 - “Oracle and **Apple** Announce OpenJDK Project for Mac OS X”
 - **Red Hat** and Sun (Oracle) Collaborate to Advance Open Source Java



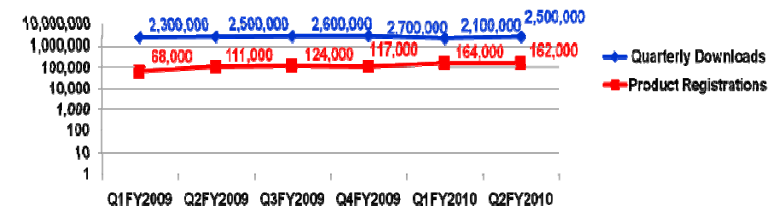
Open Source Java EE – GlassFish Server



- **Open source and commercial distributions of GlassFish**
 - Commercial: Oracle GlassFish Server
 - OSS: GlassFish Open Source Edition
- **GlassFish popular with developers**
 - Over 9 million downloads annually
 - Innovation areas – Web Services, scripting, OSGi/modularity
- **Java EE reference implementation**
 - Java EE 6 today
 - Java EE 7 beginning – industry obligation
- **Shares components with WebLogic**
 - JAX-WS, EclipseLink/JPA, JAX-RS, CDI, JSF today and more in future



• Quarterly GlassFish Download Statistics FYQ1-4 2009





JavaOne and other community events

- **JavaOne**

- **Oct. 2 – 6, San Francisco**
- **Call for Papers is OPEN!**
 - Deadline is May 23
 - Register and/or submit a paper: <http://oracle.com/javaone>
- **Taking content internationally**
 - Brazil (Dec. 2010) - Completed
 - China (Dec. 2010) - Completed
 - Russia (Apr. 2011) - Completed
 - India (May 2011) – Completed
 - More cities to be announced

- **OSCON 2011**

- Jul. 26 – 29

- **Devoxx**

- November 2011

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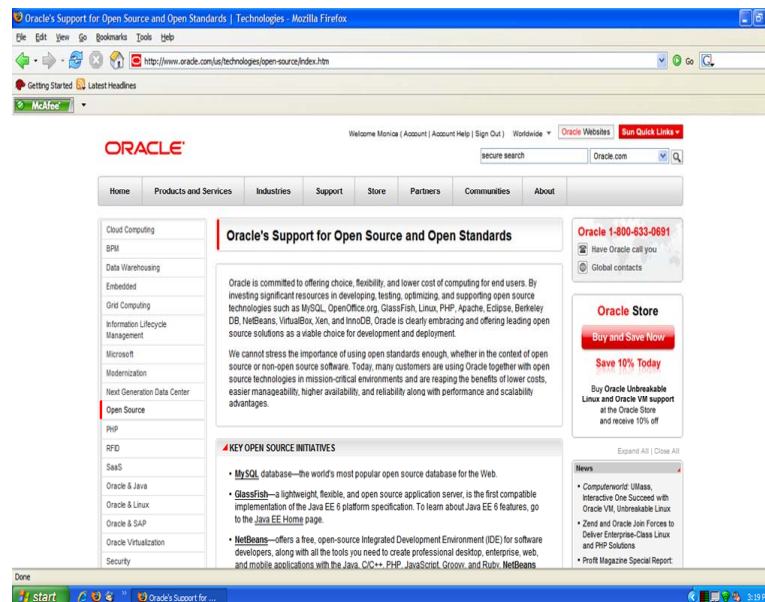


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- Open Standards are crucial
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- If you want to use open source for business critical areas, look for a vendor with:
 - Strong financials, with staying power
 - Enterprise-class support, including global scale and reach
 - Global brand
 - Strategic relationships with the customer

Resources

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



ORACLE®

Eclipse

#2 Code Committer to Eclipse projects

- Web Tools Project leadership
- JSF Tooling, Web Page Editor, Dali Tools, JSF 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

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

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

