

ORACLE AND OPEN SOURCE

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ORACLE IS COMMITTED TO A VARIETY OF OPEN SOURCE, INCLUDING:

- Linux
- PHP
- Apache
- Eclipse
- Spring
- SASH
- Berkeley DB
- InnoDB
- and more.

Oracle is committed to offering choice, flexibility, and a lower cost of computing for end users. By investing significant resources in developing, testing, optimizing, and supporting open source technologies such as Linux, PHP, Apache, Eclipse, Spring, SASH, Berkeley DB, InnoDB, and more, Oracle embraces open source solutions as viable choices for development and deployment. Many customers are using Oracle technology together with open source technologies in mission-critical environments and are reaping the benefits of lower costs, easier manageability, higher availability and reliability, and better performance.

Oracle Unbreakable Linux Support

Oracle's long-standing commitment to Linux started when it released the industry's first commercial relational database for Linux in 1998, and that leadership continues today with Oracle Unbreakable Linux. Oracle Unbreakable Linux is a support program that provides enterprises with global support for the Linux operating system at a significantly lower cost, including indemnification against intellectual property infringement claims. Oracle also makes technical contributions to Linux, and forges strategic partnerships, enabling customers to deploy mission-critical environments on Linux.

Oracle further demonstrates our commitment to Linux by running our own IT systems on Linux, and we've realized first-hand the benefit of lower IT costs from Linux-based grid computing. Oracle On Demand, Oracle's data and applications outsourcing business, runs on Linux, as do numerous internal systems and more than 10,000 servers. With more than 9,000 developers using a Linux infrastructure for product development, Oracle boasts one of the world's largest commercial Linux development organizations. And Oracle's industry-leading benchmarks demonstrate world-record performance and price-performance of its database, middleware, and applications on Linux.

Oracle Contributes to the Linux Community

Oracle contributes to the Linux community directly and in collaboration with strategic partners. Oracle's Linux engineering team contributed a cluster file system—Oracle Cluster File System 2 (OCFS 2)—to the Linux kernel under GPL. In addition, many key Linux contributors who work on a variety of important kernel projects are Oracle employees; their projects include the Asynchronous I/O subsystem, the kernel janitor, mainline testing, block layer and modifications to the SCSI stack, virtual memory subsystem enhancements, and more. By sharing our technical contributions as open source, we further ensure the success of Linux.

Freedom of Choice with Eclipse

One of the more extensive examples of Oracle's commitment to open source involves Eclipse, an open source community whose projects focus on providing a vendor-neutral, open development platform and application framework. Oracle has been a member of Eclipse since the project's inception, and has made many contributions to the Eclipse community. As an Eclipse board member and leading participant in both the Eclipse Web Tools Platform (WTP) and the Technology project, Oracle currently leads the JavaServer Faces tooling, Dali JPA tools and BPEL tools projects.

Oracle has also donated its award-winning Java persistence framework, Oracle TopLink, to the Eclipse open source community, and has proposed a new Eclipse run-time project, based on TopLink,

to deliver a comprehensive persistence platform that can be utilized in Java and OSGi environments.

Spring and SASH

As developers look to quickly and easily create high-quality applications, they require the freedom to choose the technologies, components and frameworks that best meet their requirements. As a result, developers are increasingly using components of Oracle Fusion Middleware with Spring's leading open source application development framework. Spring's layered architecture allows developers to pick and choose pieces of the framework, which provides optimal flexibility without sacrificing performance.

Oracle not only certifies the base Spring distribution with Oracle Application Server, but also works with third party distributions where external to Oracle support can be acquired – in particular the SASH (Spring, Apache, Struts and Hibernate) distribution provided by SourceLabs. The Oracle Development Kit for Spring is designed to simplify the development, deployment and management of Spring-based enterprise Java applications. Oracle also provides integration of TopLink Essentials, the open source EJB 3.0 Java Persistence API (JPA) reference implementation, with the latest Spring Framework release.

World's Most Widely Used Open Source Database

Oracle's Berkeley DB is the most widely used open source database in the world with deployments estimated at more than 200 million. With Berkeley DB, Oracle offers a family of open source developer databases that allows developers to embed in their applications a fast, scalable, transactional database engine with industrial grade reliability and availability. Berkeley DB is distributed under a dual license model, i.e. available under a public license and also available under a commercial license. Well-known open source projects such as Linux, BSD UNIX, Apache web server, OpenLDAP directory, OpenOffice productivity software, as well as many other open source and commercial products embed Berkeley DB.

Zend Core for Oracle and PHP Development

Oracle offers a PHP extension with Oracle JDeveloper, and PHP support with Oracle Application Server. The Oracle JDeveloper PHP extension allows for interoperability between PHP and other popular technologies such as Java. We also publish best practices and resources for PHP developers via the Oracle Technology Network. Together with Zend Technologies, we offer Zend Core for Oracle, a fully tested and supported PHP 5 distribution that includes integration with Oracle Database client libraries, enabling developers to get up and running in minutes with PHP and Oracle.

Oracle and Open Source

Oracle is committed to offering choice, flexibility and a lower cost of computing for customers, and we demonstrate this commitment by investing significant resources in developing, testing, optimizing, and supporting a wide variety of open source technologies. This data sheet outlines just a few of the many open source projects Oracle is involved with. For further information:

- Visit oracle.com/technologies/open-source to read about Oracle and open source;
- Visit oss.oracle.com to download free and open source software from Oracle.

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