

Oracle Solaris 11 System Administration The Complete Reference

From the beginning in 1983, AT&T designed Tuxedo for high availability and to provide extremely scalable applications to support applications requiring thousands of transactions per second on commonly available distributed systems. 0d69ef9ca2

UNIX System V Four major versions of System V were released, numbered 1, 2, 3, and 4. As of 2026[update], the AT&T-derived Unix market is divided between three System V variants: IBM's AIX, Oracle's Solaris, and the free-software illumos UNIX System V (pronounced: "System Five") is one of the first commercial versions of the Unix operating system. System V Release 4 (SVR4) was commercially the most successful version, being the result of an effort, marketed as Unix System Unification, which solicited the collaboration of the major Unix vendors. System V is sometimes abbreviated to SysV. It was the source of several common commercial Unix features. It was originally developed by AT&T and first released in 1983 0d69ef9ca2

The management of stored data generally involves two aspects: the physical volume management of one or more block storage devices (such as hard drives and SD cards), including their organization into logical block devices as VDEVs (ZFS... 0d69ef9ca2 Developed by AT&T in the 1980s, it became a software product of Oracle Corporation in 2008 when they acquired BEA Systems. 0d69ef9ca2

ZFS In Solaris 10 6/06 ("U2"), Sun added the ZFS file system ZFS (previously Zettabyte File System, now an orphaned initialism) is a file system with volume management capabilities. Large parts of Solaris, including ZFS, were published under an open source license as OpenSolaris in 2005. OpenZFS is widely used in Unix-like systems. After Oracle Corporation acquired Sun in 2009–2010, they terminated the OpenSolaris project and ceased releasing source code. During 2005 to 2010, the open source version of ZFS was ported to Linux, macOS, and FreeBSD. OpenZFS maintains and manages the core ZFS code, while organizations using ZFS maintain the specific code and validation processes required for ZFS to integrate within their systems. In response, the illumos project forked OpenSolaris, including ZFS, to continue its development as an open source project. In 2013, OpenZFS was founded to coordinate the development of open source ZFS. It began as part of the Sun Microsystems Solaris operating system in 2001. the

Solaris codebase under the CDDL license and founded the OpenSolaris open-source project 0d69ef9ca2

MySQL has stand-alone... 0d69ef9ca2 == History == 0d69ef9ca2 The original development targeted the creation and administration of operations support systems for the US telephone company that required online transaction processing (OLTP) capabilities. 0d69ef9ca2 Oracle's version does not include value of the acquisition. 0d69ef9ca2

Oracle Solaris Originally developed by Sun Microsystems as Solaris, it superseded the company's earlier SunOS in 1993 and became known for its scalability, especially on SPARC systems, and for originating many innovative features such as DTrace, ZFS and Time Slider. Solaris was registered as compliant with the Single UNIX Specification Oracle Solaris is a proprietary Unix operating system offered by Oracle for SPARC and x86-64 based workstations and servers. Time Slider. After the Sun acquisition by Oracle in 2010, it was renamed Oracle Solaris. After the Sun acquisition by Oracle in 2010, it was renamed Oracle Solaris 0d69ef9ca2

== Overview == 0d69ef9ca2 On Unix-like operating systems, this feature can be seen as an advanced implementation of the standard chroot mechanism, which changes the apparent root folder for the current running process and its children. In addition to isolation mechanisms, the kernel often provides resource-management features to limit the impact of one container's activities on other... 0d69ef9ca2

MySQL In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups. SQL is a language that programmers use to create, modify and extract data from the relational database, as well as control user access to the database. A port of MySQL to OpenVMS also exists. The MySQL MySQL () is a free and open-source relational database management system (RDBMS). Its name is a combination of "My", the name of co-founder Michael Widenius' daughter My, and "SQL", the acronym for Structured Query Language. A relational database organizes data into one or more data tables in which data may be related to each other; these relations help structure the data. OpenSolaris, OS/2 Warp, QNX, Oracle Solaris, Symbian, SunOS, SCO OpenServer, SCO UnixWare, Sanos and Tru64 0d69ef9ca2

== History == 0d69ef9ca2

Tuxedo (software) Tuxedo is a transaction processing system or transaction-oriented middleware, or enterprise application server for a variety of systems and programming languages. Tuxedo is now part of the Oracle Fusion Middleware Tuxedo (Transactions for Unix, Extended for Distributed Operations) is a middleware platform used to manage distributed transaction processing in distributed

computing environments. AT&T in the 1980s, it became a software product of Oracle Corporation in 2008 when they acquired BEA Systems

The company sells database software (particularly the Oracle Database), enterprise applications, and cloud infrastructure and hardware. Oracle's core application software is a suite of enterprise software products, including enterprise resource planning (ERP), human capital management (HCM), customer experience (CX) and supply chain management (SCM) software. A Solaris Container is the combination of system resource controls and the boundary separation provided by zones. Zones act as completely isolated virtual servers within a single operating system instance. By consolidating multiple sets of application services onto one system and by placing each into isolated virtual server containers, system administrators can reduce cost and provide most of the same protections of separate machines on a single machine. Tuxedo is now part of the Oracle Fusion Middleware.

OS-level virtualization Such instances may look like real computers from the point of view of programs running in them. Programs running inside a container can only see the container's contents and devices assigned to the container. A computer program running on an ordinary operating system can see all resources (connected devices, files and folders, network shares, CPU power, quantifiable hardware capabilities) of that computer. instances, including containers (LXC, Solaris Containers, AIX WPARs, HP-UX SRP Containers, Docker, Podman, Guix), zones (Solaris Containers), virtual private servers OS-level virtualization is an operating system (OS) virtualization paradigm in which the kernel allows the existence of multiple isolated user space instances, including containers (LXC, Solaris Containers, AIX WPARs, HP-UX SRP Containers, Docker, Podman, Guix), zones (Solaris Containers), virtual private servers (OpenVZ), partitions, virtual environments (VEs), virtual kernels (DragonFly BSD), and jails (FreeBSD jail and chroot)

Oracle initiated the suit arguing that the APIs were copyrightable, seeking US\$8.8 billion in damages from Google's sales and licensing of the earlier infringing versions of Android. While two District Court-level jury trials found in favor of Google, the Federal Circuit court reversed both decisions, holding that APIs are copyrightable in 2014 and that Google's use does not fall under fair use in 2018. Google successfully petitioned to the Supreme Court to hear the case in the 2019 term, focusing on the copyrightability of APIs and subsequent fair use; the case was delayed to the 2020 term due to the COVID-19 pandemic. In April 2021, the Supreme Court ruled in a 6-2 decision that Google's use of the Java...

Oracle Corporation Co-founded in Santa Clara, California, in 1977 by Bob Miner, Ed Oates, and current chairman of the board and chief technology officer Larry Ellison, Oracle is among the 50 largest companies in the world by market cap, and ranked 66th on the Forbes Global 2000 as of 2025. The Sun hardware Oracle Corporation is an American multinational technology company

headquartered in Austin, Texas. software Oracle Visual Builder Studio Oracle Corporation develops and supports two operating systems: Oracle Solaris and Oracle Linux 0d69ef9ca2

The Tuxedo concepts derived from the Loop Maintenance Operations System (LMOS). Tuxedo supported moving the LMOS application off mainframe systems that used Information Management System (IMS) from IBM on to much cheaper distributed systems running... 0d69ef9ca2 As of 2026, the AT&T-derived Unix market is divided between three System V variants: IBM's AIX, Oracle's Solaris, and the free-software illumos forked from OpenSolaris. 0d69ef9ca2 Solaris was registered as compliant with the Single UNIX Specification until April 29, 2019. Historically, Solaris was developed as proprietary software. In June 2005, Sun Microsystems released most of the codebase under the CDDL license, and founded the OpenSolaris open-source project. Sun aimed to build a developer and user community with OpenSolaris; after the Oracle acquisition in 2010, the OpenSolaris distribution was discontinued and later Oracle discontinued providing public updates to the source code of the Solaris kernel, effectively turning Solaris version 11 back into a closed-source proprietary operating system. Following that, OpenSolaris was forked as Illumos and is alive through several Illumos distributions. In September 2017... 0d69ef9ca2 See also Category:Sun Microsystems acquisitions (Sun was acquired by Oracle). 0d69ef9ca2

List of acquisitions by Oracle "Oracle buys This is a listing of Oracle Corporation's corporate acquisitions, including acquisitions of both companies and individual products. "Oracle and Oxygen Systems". Oracle. Retrieved February 1, 2025. Mari, Angelica (July 1, 2019). Archived from the original on March 3, 2021 0d69ef9ca2

== Terminology == 0d69ef9ca2

Google LLC v. Oracle America, Inc. , 593 U. 1 (2021), is a landmark decision of the Supreme Court of the United States related to the nature of computer Google LLC v. , 593 U. The dispute centered on the use of parts of the Java programming language's application programming interfaces (APIs) in Google's Android operating system and unlicensed use of source code that implemented some of these APIs in early versions of Android. Google contested both claims on grounds of fair use. Oracle America, Inc. Oracle America, Inc. 1 (2021), is a landmark decision of the Supreme Court of the United States related to the nature of computer code and copyright law. S. Google LLC v. S 0d69ef9ca2

The name of this technology changed during development and the pre-launch public events. Before the launch of Solaris Zones in 2005, a Solaris Container was any type of workload constrained by Solaris resource management features. The latter had been a separate software package in... 0d69ef9ca2

Solaris Containers Solaris Containers (including Solaris Zones) is an implementation of operating system-level virtualization technology for x86 and SPARC systems, first Solaris Containers (including Solaris Zones) is an implementation of operating system-level virtualization technology for x86 and SPARC systems, first released publicly in February 2004 in build 51 beta of Solaris 10, and subsequently in the first full release of Solaris 10, 2005. It is present in illumos (formerly OpenSolaris) distributions, such as OpenIndiana, SmartOS, Tribblix and OmniOS, and in the official Oracle Solaris 11 release 0d69ef9ca2

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation). In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.
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