

Sun Server Study Guide

Sun Microsystems

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Sun Microsystems, Inc., often known as Sun for short, was an American technology company that existed from 1982 to 2010 which developed and sold computers, computer components, software, and information technology services. Sun contributed significantly to the evolution of several key computing technologies, among them Unix, RISC processors, thin client computing, and virtualized computing. At its height, the Sun headquarters were in Santa Clara, California (part of Silicon Valley), on the former west campus of the Agnews Developmental Center.

Sun products included computer servers and workstations built on its own RISC-based SPARC processor architecture, as well as on x86-based AMD Opteron and Intel Xeon processors. Sun also developed its own storage systems and a suite of software products...

Web server

William Nelson; Arvind Srinivasan; Murthy Chintalapati (2009). Sun Web Server: The Essential Guide. Pearson Education. ISBN 978-0-13-712892-1. Archived from

A web server is computer software and underlying hardware that accepts requests via HTTP (the network protocol created to distribute web content) or its secure variant HTTPS. A user agent, commonly a web browser or web crawler, initiates communication by making a request for a web page or other resource using HTTP, and the server responds with the content of that resource or an error message. A web server can also accept and store resources sent from the user agent if configured to do so.

The hardware used to run a web server can vary according to the volume of requests that it needs to handle. At the low end of the range are embedded systems, such as a router that runs a small web server as its configuration interface. A high-traffic Internet website might handle requests with hundreds of...

Project Darkstar

where it was dubbed the "Sun Game Server" (SGS). (The initialism survived in the package names of the Project Darkstar Server until its demise.) Mr. Kesselman

Project Darkstar is a discontinued open source framework for MMOG development, written in Java and deployed as game engine middleware. Project Darkstar began as a personal project of Jeff Kesselman in 1999, later becoming a research project at Sun Microsystems, aimed to "help developers and operators avoid a range of serious, yet typical, problems associated with massive scale online games, virtual worlds, and social networking applications today, including zone overloading, data corruption, and server underutilization."

ThinLinc

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ThinLinc is a cross-platform remote desktop server developed by Cendio AB. The server software and the users' main desktops run on Linux. Clients are available for Linux, Windows, macOS, and a number of thin clients. A browser client (Web Access) using HTML5 technologies is also available.

Hardware virtualization

of virtual machines has also been called "platform virtualization", or "server virtualization", more recently. Platform virtualization is performed on

Hardware virtualization is the virtualization of computers as complete hardware platforms, certain logical abstractions of their componentry, or only the functionality required to run various operating systems. Virtualization emulates the hardware environment of its host architecture, allowing multiple OSes to run unmodified and in isolation. At its origins, the software that controlled virtualization was called a "control program", but the terms "hypervisor" or "virtual machine monitor" became preferred over time.

Single sign-on

2014-03-15. Retrieved 2013-05-28. "Sun GlassFish Enterprise Server v2.1.1 High Availability Administration Guide". Oracle.com. Retrieved 2013-05-28.

Single sign-on (SSO) is an authentication scheme that allows a user to log in with a single ID to any of several related, yet independent, software systems.

True single sign-on allows the user to log in once and access services without re-entering authentication factors.

It should not be confused with same-sign on (Directory Server Authentication), often accomplished by using the Lightweight Directory Access Protocol (LDAP) and stored LDAP databases on (directory) servers.

A simple version of single sign-on can be achieved over IP networks using cookies but only if the sites share a common DNS parent domain.

For clarity, a distinction is made between Directory Server Authentication (same-sign on) and single sign-on: Directory Server Authentication refers to systems requiring authentication...

Google data centers

1196112. ISSN 1937-4143. Merlin, Marc (2013). "Case Study: Live upgrading many thousand of servers from an ancient Red Hat distribution to a 10 year newer

Google uses large data center facilities to provide their services, which combine large drives, computer nodes organized in aisles of racks, internal and external networking, environmental controls (mainly cooling and humidification control), and operations software (especially as concerns load balancing and fault tolerance).

There is no official data on how many servers are in Google data centers, but Gartner estimated in a July 2016 report that Google at the time had 2.5 million servers. This number is changing as the company expands capacity and refreshes its hardware.

Java (software platform)

computing platforms from embedded devices and mobile phones to enterprise servers and supercomputers. Java applets, which are less common than standalone

Java is a set of computer software and specifications that provides a software platform for developing application software and deploying it in a cross-platform computing environment. Java is used in a wide variety of computing platforms from embedded devices and mobile phones to enterprise servers and supercomputers. Java applets, which are less common than standalone Java applications, were commonly run in secure, sandboxed environments to provide many features of native applications through being embedded in HTML pages.

Writing in the Java programming language is the primary way to produce code that will be deployed as byte code in a Java virtual machine (JVM); byte code compilers are also available for other languages, including Ada, JavaScript, Kotlin (Google's preferred Android language...

NGC 474

1093/mnras/staa1992. Guide, Universe. "NGC 474

Facts about the Galaxy in Pisces". Universe Guide. Retrieved 2022-05-20. "SN 2017 fgc". Transient Name Server. Retrieved - NGC 474 is an elliptical galaxy about 100 million light years distant in the constellation Pisces. This large galaxy is known to possess tidal shells and tidal tails, although their origins remain unclear. One possible explanation is that NGC 474 interacted with a galaxy several billion years ago.

System administrator

operation of computer systems, especially multi-user computers, such as servers. The system administrator seeks to ensure that the uptime, performance

An IT administrator, system administrator, sysadmin, or admin is a person who is responsible for the upkeep, configuration, and reliable operation of computer systems, especially multi-user computers, such as servers. The system administrator seeks to ensure that the uptime, performance, resources, and security of the computers they manage meet the needs of the users, without exceeding a set budget when doing so.

To meet these needs, a system administrator may acquire, install, or upgrade computer components and software; provide routine automation; maintain security policies; troubleshoot; train or supervise staff; or offer technical support for projects.

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