



# **SUSE LINUX** **ENTERPRISE SERVER 8**

**THE UNITED POWER OF LINUX**

# SUSE LINUX

## HIGHLIGHTS

**Server operating system for professional deployment** in heterogeneous IT environments of all sizes and sectors

### FIELDS OF UTILISATION:

Offers all enterprise-relevant server services, including file, print, web, security, application and middleware solutions such as databases, ERP and storage

### HARDWARE PLATFORMS:

A single server operating system with a uniform Linux code basis for AMD and Intel 32-bit and 64-bit processors as well as for the entire IBM eServer series

### INTEGRATED IN THE KERNEL:

Multiprocessor, LVM, async I/O and multipathing support for high-availability (failover) and high-performance computing solutions

### FULL SERVICE THROUGH SUSE LINUX MAINTENANCE PROGRAM:

Access to maintenance and support, updates and upgrades; training, extended support and individual SLAs available on request

## SUSE LINUX ENTERPRISE SERVER 8 POWERED BY UNITEDLINUX

SuSE Linux Enterprise Server is one of the leading **server operating systems for professional deployment** in heterogeneous IT environments of all sizes and sectors.

Apart from the operating system platform that was optimised for stability and security, SuSE Linux Enterprise Server integrates all server services relevant in Linux.

**Together with the extensive portfolio of SuSE services, version 8 of SuSE Linux Enterprise Server constitutes a stable and secure platform for the cost-efficient operation of IT environments.**

The success of SuSE Linux Enterprise Server is evident from a survey conducted by Technoconsult, according to which 76 % of the 951 interviewed German companies utilise a SuSE product on their servers.

Each version of SuSE Linux Enterprise is actively maintained over a guaranteed period. Relevant developments are made available in the form of certified upgrades, thus ensuring uninterrupted and productive operations.

## WHY LINUX – WHY SUSE LINUX ENTERPRISE SERVER?

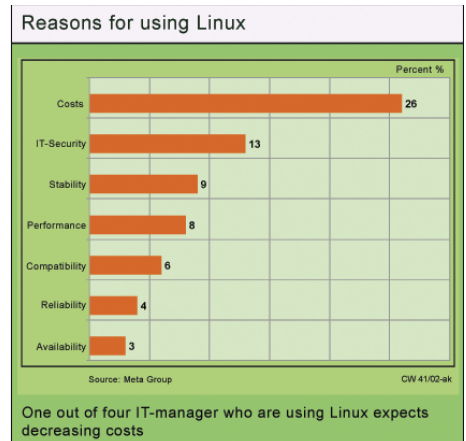
**Economic considerations** are among the main reasons why enterprises deploy Linux.

According to a survey conducted by Technoconsult, 29% of the 951 interviewed companies reported significant savings and 25% reported considerable savings.

This observation is also supported by a survey the Meta Group conducted with 90 IT decision makers. As reported, nine out of ten companies in Germany consider utilising Linux within the next two to three years.

Apart from the **stability and security**, one out of every four IT managers stated **reduced costs** as an important reason for using the Open Source operating system. The deployment of SuSE Linux Enterprise Server does not incur any licence fees for the client access or the Internet access!

61% expected a **reduced TCO (total cost of ownership) for the IT systems.**



# ENTERPRISE SERVER 8

## SUSE FRAMEWORK SOLUTIONS

By means of the SuSE Framework Solutions, SuSE Linux AG delivers modular infrastructure solutions based on Open Source technologies.

SuSE Framework Solutions offer flexible service packages for security, communication and desktop management, ranging from the design and implementation to support for daily operations. Thus, individual requirements can be realised at any time.

## SUSE LINUX BUSINESS SOLUTIONS

Using the range of SuSE Linux Business Solutions, medium-scale enterprises that do not have any Linux expertise can benefit from the advantages of the Open Source operating system:

SuSE Linux Business Solutions are largely preconfigured, easy-to-administer software solutions for e-mail, groupware, connectivity and security.

Stability, performance and IT security are the main technical reasons project managers and administrators state for the deployment of SuSE Linux Enterprise Server.

“It is obvious that the reliability of the enterprise IT must be 100% guaranteed in a logistics company of our size. For this reason DANZAS employs SuSE Linux Enterprise Server 7 on all Linux servers. After all, we too are network specialists.”

**Michael Spyra,**  
project manager, DANZAS Euronet



## SUSE LINUX ENTERPRISE SERVER: ADVANTAGES AND BENEFITS

**Open Source:**  
Easy integration, competent further development, and maintenance around the globe.  
Thanks to an open and uniform code base, solutions can be integrated in existing IT environments without time-consuming adaptations.

**Powered by UnitedLinux:**  
The latest version of SuSE Linux Enterprise Server is based on the Linux industry standard UnitedLinux.

**Supported Hardware:**  
From Intel servers to IBM zSeries mainframe systems – SuSE Linux Enterprise Server is the cross-platform server operating system for professional deployment.

**Compatibility and Certification:**  
The SuSE Linux Enterprise Server kernel was expanded and revised for enterprise deployment. The utilised components and modules were optimised for the implementation and operation of server services and comply 100% with the Linux standards.

**Scalability and Integration:**  
Protection of IT investments  
SuSE Linux Enterprise Server grows together with the requirements of the customer and can be integrated in existing IT environments.

**Central Configuration and Installation:**  
The installation tools AutoYaST and YaST2 set up, install, and administer all servers and user data in a central and easy-to-configure way. Special Linux knowledge is no longer required. Thus, updates and new developments can be installed automatically.

**Easy Migration and Cost Savings:**  
The migration – especially from Wintel operating systems – to SuSE Linux Enterprise Server is easy, efficient and inexpensive:

“Our extensive migration has already amortised itself. A brief glance at the overhead costs reveals a clear outcome: we save hardware costs through a backup system without a DLT streamer, licence costs for the backup software and disaster recovery, and personnel costs through extensive automations that do not necessitate the acquisition of expensive additional tools. All of this could not have been achieved in the same way with any other operating system.”

**Martin Keusch,**  
Domino administrator,  
Linde Refrigeration



# SUSE LINUX

## FILE AND PRINT SERVICES FOR WINDOWS USERS:

The SAMBA/CUPS and Access Control Lists (ACL) integrated in SuSE Linux Enterprise Server offer the possibility of providing file and print services for Windows users.

## THE SUSE MAINTENANCE PROGRAM – SUPPORT AT ANY TIME, ANY LOCATION:

An extensive portfolio of expanded SuSE support and maintenance offers ensures that companies get qualified assistance from SuSE Linux experts for their ongoing operations – at fixed rates, with guaranteed turnaround times and around the clock, if necessary.

“Due to its impressive stability and reliability in productive operation, SuSE Linux Enterprise Server has proved to be a very convincing solution. The Linux server connection runs very smoothly. The included SuSE Linux Enterprise Server Maintenance guarantees the ongoing availability of a stable server operating system.”

Eberhard Hofsäß, authorised representative,  
Zeltwanger Maschinenbau GmbH



## INDEPENDENCE THROUGH OWN EXPERTISE

By means of specially prepared courses, SuSE thoroughly prepares the users in the companies for the professional utilisation of Linux and SuSE Linux Enterprise Server.

The accumulation of own Linux expertise equips customers for the further development of their own solutions. Thus, the **customers themselves determine the life cycle of their applications.**

**Enterprise customers benefit** from the close collaboration of the SuSE Linux developer team with the SuSE Business Partners and SuSE Consulting, Support and Training, by means of which the latest developments are rapidly absorbed in projects, courses and SuSE services.

## SUSE LINUX ENTERPRISE SERVER – THE OPEN SOURCE ENTERPRISE SERVER FOR LINUX

Open Source software is based on the policy of making the source code accessible for all users, allowing it to be read and improved. In turn, modifications are made accessible to third parties together with the original or improved source code. Licence fees are only incurred in certain cases. SuSE qualifies and combines its own source codes with third-party source codes and offers them to Linux users together with support and consulting services.

**The greatest advantage of Open Source software is the independence from the manufacturer.** The user is free to commission any qualified partner around the globe to maintain and further improve Open Source software. Open Source software does not have an expiry date. However, Open Source is not Freeware.

**The logical next step in the development of the Open Source concept for professional deployment is**

UNITED  LINUX



# ENTERPRISE SERVER 8

## WHAT IS UNITEDLINUX?

UnitedLinux transfers the collaborative development model of Open Source to a professional business model.

UnitedLinux is a globally available Linux operating system for enterprise customers that is based on international standards and is developed by the SCO Group, Conectiva, Turbolinux and SuSE Linux AG.

Made in Germany: the major part of the development work is done by the experts of SuSE Linux AG in Germany.

UnitedLinux offers professional users, software manufacturers and hardware manufacturers the possibility to focus on a single high-quality enterprise solution under Linux.

UnitedLinux delivers a uniform operating system platform for the development of applications and the certification of hardware and software solutions. The industry standard UnitedLinux is the core element of SuSE Linux Enterprise Server 8.

UnitedLinux provides developers, partners and customers with a comprehensive platform that enables the world-wide installation, support and maintenance of business solutions developed on the UnitedLinux platform.

This initiative is supported by industry partners such as AMD, Borland, Computer Associates, Fujitsu-Siemens Computers, Fujitsu, Hewlett-Packard, IBM, Intel, NEC, Progress Software and SAP.

According to a survey of 800 North American and Western European companies which was conducted by the market research organisation IDC in 2001, 40% of all companies were already using Linux productively or for test purposes.

“The formation of UnitedLinux offers multiple benefits to the industry, proving yet again that co-operation on standards simplifies application development and deployment for vendors, thereby providing our mutual customers with new applications more quickly. Ultimately, UnitedLinux will accelerate Linux adoption in the industry.”

Steve Solazzo,  
General Manager, Linux, IBM



## BENEFIT FROM UNIFORM LINUX STANDARDS

UnitedLinux supports the most important Linux standards, including FHS, LSB, Li18nux and GB 18030, and enables the installation in Chinese, English, French, German, Hungarian, Italian, Japanese, Korean, Portuguese and Spanish.

Companies that are active on a global scale benefit especially from the world-wide availability of the standardised products as well as from the the IT services of the **SuSE Maintenance Program** which are offered world-wide by SuSE Linux AG.

UnitedLinux is especially suitable for deployment in heterogeneous IT infrastructures, as it provides a single server operating system with a uniform code basis for AMD and Intel 32-bit and 64-bit processors as well as for the entire IBM eServer series.



## POWERED BY UNITEDLINUX

SuSE Linux Enterprise Server is the first Linux server for professional deployment that was certified “Powered by UnitedLinux”.

## TECHNICAL ADVANTAGES AND BENEFITS OF SUSE LINUX ENTERPRISE SERVER:

### SUSE LINUX ENTERPRISE SERVER IS LSB-CERTIFIED (LINUX STANDARD BASE)

Thus, all LSB-certified software solutions will run on any SuSE Linux Enterprise Server 8 powered by UnitedLinux.

SuSE Linux Enterprise Server 8 constitutes a major step in offering companies an even more powerful and stable operating system for the server infrastructure.

Numerous improvements result in increased performance and enhanced kernel functionality:

By means of async I/O, multipathing and the management of up to 600 physical hard disks, the kernel provides **high-availability (fail-over)** solutions and high-performance interaction with storage systems in the SAN.

SuSE Linux Enterprise Server 8 is able to utilise up to 32 processors and 64 GB of main memory. Thus, it is predestined for deployment as a **server for high-performance computing solutions** and environments that require maximum speed and scalability.

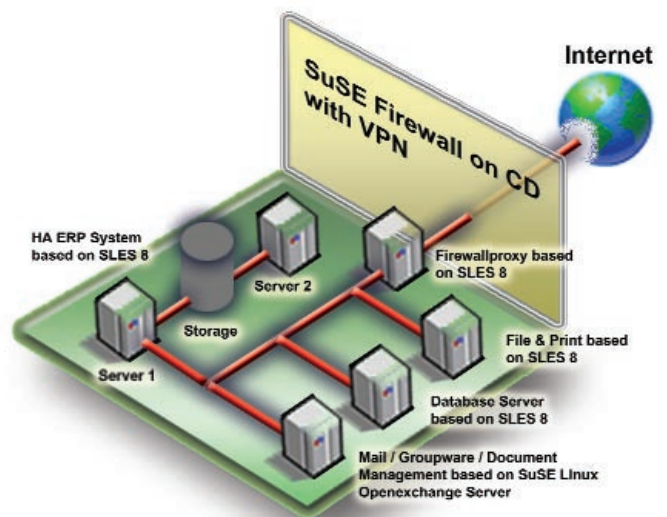
SuSE Linux Enterprise Server 8 includes an **expanded, optimised version of Samba, the file and print server for Windows environments.**

The introduction of Access Control Lists (ACL) for files and directories greatly facilitates the administration of access permissions for file and print services.

Thus, SuSE Linux Enterprise Server 8 is the first choice for migrations and consolidations.

In SuSE Linux Enterprise Server 8, SuSE implemented a new thread model: Next Generation POSIX Thread (NGPT).

Existing Unix applications can easily and inexpensively be ported to Linux. Accordingly, a running Unix application is no hindrance for a migration.



### AUTOYAST, THE CONFIGURATION TOOL FOR COMPANY-WIDE, AUTOMATED INSTALLATIONS

Remote installation can be configured and performed in an efficient manner.

Based on a class model, various forms of utilisation and hardware requirements are represented and managed in a comfortable way.

Existing configurations can be inserted and reused.



## **SuSE Linux AG – The Linux Experts**

Meanwhile, more than 15 million private and professional users around the world enjoy the stability and transparency of the system.

More and more companies of all sectors and sizes rely on the products and services of SuSE Linux AG, including DANZAS Euronet, Debeka insurance, Oldenburgische Landesbank, EDEKA, Lufthansa, Linde Refrigeration, Miele, Sixt and MTU Aero Engines.

Please contact [info@suse.de](mailto:info@suse.de) for more information.

Additional information on SuSE Linux Enterprise Server is available at [www.suse.de/en/sles](http://www.suse.de/en/sles)

Details about SuSE Linux AG, the SuSE Linux products, the SuSE Maintenance Program, and customer references is available at [www.suse.de/en/maintenance](http://www.suse.de/en/maintenance)

TCO studies are presented at [www.suse.de/studien/tco](http://www.suse.de/studien/tco)

Information on UnitedLinux is available at [www.unitedlinux.com](http://www.unitedlinux.com)

Request more information and make an appointment: [www.suse.de/en/info](http://www.suse.de/en/info)





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