

# SUSE® LINUX ENTERPRISE SERVER

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As a data center manager, your challenge is to provide fast and secure access to core business applications, systems and data. You need a reliable, high-performance server operating system that cost-effectively delivers critical business services. This platform should integrate existing and new technologies, and efficiently coordinate your computing resources. And ideally, it should be highly versatile, scalable and manageable, as well as support a wide variety of industry-standard hardware, third-party software and common development environments. That's a lot to ask. Good thing SUSE® Linux Enterprise Server delivers this—and more. Choose the future proof platform that you can use today. Choose SUSE Linux Enterprise Server.

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## Product Overview

SUSE Linux Enterprise Server is a highly reliable, scalable and secure server operating system, built to power mission-critical workloads in physical, virtual and cloud-based environments. With this interoperable, manageable and affordable open source foundation, you can cost-effectively deliver core business services, enable secure networks and simplify heterogeneous infrastructure, maximizing efficiency and value.

The only enterprise Linux\* recommended by Microsoft, SAP and VMware, it is optimized to deliver high-performance mission-critical services, as well as edge and network infrastructure workloads. Designed for interoperability, it supports open-standard CIM interfaces and can be managed alongside Windows\* servers by Microsoft\* System Center or any solution utilizing CIM.

SUSE Linux Enterprise Server is a modular, general-purpose operating system, runs on five processor architectures and is

suitable for a wide range of workloads. And it is optimized to run on leading hypervisors and supports an unlimited number of virtual machine guests per physical system with a single subscription, making it the perfect guest for virtual computing.

## Key Benefits

SUSE Linux Enterprise Server helps your organization maximize business efficiency and value, and mitigate risk.

- **Reduce cost**—Not only lower the cost of your server infrastructure software, but also save money on hardware, as SUSE Linux Enterprise Server supports the latest industry-standard hardware. And it is offered with simplified “per server” subscription pricing. You can easily pursue “scale out” or “scale up” approaches for adding computing capacity.
- **Save time**—SUSE Linux Enterprise Server includes the leading package management stack, enabling you to update your systems in minutes rather than hours. Intuitive installation tools and pre-configured profiles allow you to rapidly set up popular services, both locally and remotely.





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Efficient subscription management tools help you track and manage your operating system software assets. SUSE Linux Enterprise Server is CIM-instrumented, so you can manage it with your choice of management solution. Finally, built-in support diagnostic tools accelerate support communications, resulting in faster issue resolution.

- **Mitigate risk**—Cost-effectively and reliably deliver a wide variety of mission-critical services. An open source operating system, SUSE Linux Enterprise Server ships with source code and binaries, making it inherently more secure than proprietary operating systems. Additionally, transparent licensing terms and conditions encourage technical innovation and choice and competition in the marketplace.
- **Get what you need**—SUSE Linux Enterprise Server features optional extensions that provide advanced capabilities for high-availability clustering, running .NET applications on Linux and real-time computing. You pay for just what you need, avoiding unnecessary extras. As demand grows or needs change, you can easily add the additional capabilities.
- **Get more choice with a large ecosystem**—Supported and certified by the world's leading hardware and software vendors, SUSE Linux Enterprise is backed by our #1 rated technical support and a global ecosystem of partners.

## Key Features

- **Integrated Systems Management**—SUSE Linux Enterprise Server integrates the package management subsystem Zypp into unique installation, configuration and administration tools like YaST® and AutoYaST to enable you to quickly install and configure services, and patch and update your systems.
- **Reliability, Availability and Serviceability**—SUSE Linux Enterprise Server supports swap over NFS to leverage remote storage for local server needs. It also supports the RAS features in the latest Intel and AMD processors—like CPU and memory offlining. It also leverages btrfs copy-on-write and snapshot capabilities to improve resilience and services availability.
- **Cross-platform Virtualization**—SUSE Linux Enterprise Server includes commercial support for the latest Xen and KVM hypervisors, as well as highly efficient, low overhead OS virtualization—Linux Containers. It includes graphical and command-line tools for the management of Linux and Windows virtual machines.
- **Interoperability**—SUSE Linux Enterprise Server is designed for interoperability with Windows and other operating platforms, making it the ideal choice for heterogeneous environments.

- **Green IT**—SUSE Linux Enterprise Server features innovative power-saving capabilities, such as tickless idle, that let you derive maximum performance per watt, and it ships with improved, more granular file-based power profiles.
- **Comprehensive Security**—SUSE Linux Enterprise Server comes with AppArmor® application security framework and other essential security features like firewall, VPN or intrusion detection. It also includes support for the Trusted Platform Module (TPM) standard.
- **Advanced Networking**—SUSE Linux Enterprise Server supports IPv6, includes Open Fabrics Enterprise Distribution (OFED) and supports Fibre Channel over Ethernet (FCoE) and Data Center Bridging (DCB), which you can use to run SAN and LAN traffic over the same link.
- **High-performance Computing**—Its advanced memory management, multi-pathing and I/O capabilities, coupled with support for high-speed interconnects and multi-threaded file systems, make SUSE Linux Enterprise Server the preferred choice today for high-performance computing.
- **Simplified Subscription Management**—Managing server subscriptions and support entitlements is made easier with Customer Center and the Subscription Management Tool.
- **Supportability**—With SupportLink and enablement for SupportAdvisor, SUSE Linux Enterprise Server delivers innovative diagnostic and reporting tools to accelerate issue resolution.
- **Complete Development Environment**—The SUSE Linux Enterprise Software Development Kit (SDK) includes all of the major open source compilers, libraries, debuggers, simulation tools and editors necessary to create or port applications to SUSE Linux Enterprise Server.

## System Requirements

- Pentium® III 500 MHz or higher processor (Pentium 4 2.4 GHz or higher for any AMD64 or Intel® 64 processor recommended)
- 512 MB physical RAM (1 GB, or 512 MB per CPU on multiprocessor computers, recommended)
- 2 GB available disk space (more recommended—8.5 GB for all patterns)
- 800 x 600 display resolution (1024 x 768 or higher recommended)

### Supported processor platforms:

- x86, x86\_64
- Itanium® Processor Family (Itanium 2 or newer)
- IBM® POWER®
- IBM System z®

