

SUSE® LINUX ENTERPRISE POINT OF SERVICE

As a retailer, you want to focus on what matters most: your customers. To ensure they receive excellent service, you need to optimize your IT systems through applications that equip managers with insightful information and tools, cooperate seamlessly with partners and suppliers, increase customer satisfaction and loyalty, assess which products are selling, and enhance product sales. To do all this, a reliable and secure operating system is crucial.

Product Overview

SUSE® Linux Enterprise Point of Service is the only enterprise-class Linux® operating system tailored specifically for the retail industry. It provides a reliable, flexible and open platform for point-of-service or point-of-sale terminals, kiosks, self-service systems and reverse-vending systems. It enables you to provide richer customer experiences, accelerate customer checkout, respond quickly to customer needs, work more efficiently with partners and enhance overall store operations. With SUSE Linux Enterprise Point of Service, you get all the stability, cost and flexibility advantages of Linux.

Key Benefits

- **Reduce your total cost of ownership:** *As you pay only for the maintenance subscriptions and services, you can eliminate operating system licensing fees. You can also lower your operational costs. Because of its advanced design, Linux runs with less memory on the clients and a lower-end server in the back room than Windows* requires. This reduces your hardware investment. Because SUSE Linux Enterprise Point of Service runs on old hardware or the latest innovative*
- **Enjoy flexibility:** *With SUSE Linux Enterprise Point of Service, you get an open operating system that supports the open standards pervasive in retail environments today. You can access the underlying source code, making it easier to tune your POS system to your individual needs. And it gives you freedom from the whims of proprietary vendors.*
- **Rely on a strong ecosystem:** *SUSE partners with leading hardware, application, consulting, training and support vendors, such as IBM, NCR, Fujitsu, Toshiba, SAP, Oracle and many others that support SUSE Linux Enterprise Point of Service, to ensure world-class retail environments. SUSE Linux Enterprise Point of Service is accompanied by the partner programs for IHV hardware and ISV software certifications that are needed to provide end users not just with a stable and reliable OS platform, but with a complete retail solution.*





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Key Features

- **Components:** *SUSE Linux Enterprise Point of Service combines the enterprise-proven operating system base of SUSE Linux Enterprise with extensions to set up a point-of-service managed clients solution. The solution includes:*
 - a centralized, directory-based administration server which manages all point-of-service devices and keeps the master operating system images
 - the point-of-service branch servers which provide the infrastructure for deploying the client images, booting the point-of-service clients, registering new client devices at the site and distributing the operating system image updates to the client devices
 - and tools and templates to build point-of-service client images.
- **Customized images:** *With the image builder, KIWI, which lets you automatically generate your image templates, you can easily create and deploy POS client images. You can flexibly customize and tailor your images as you need them and as they fit for your hardware, from very small footprints to large images. Also, the deployment of new or patched images works automatically and makes administration and maintenance really easy. Finally, you have different deployment options—automatically via the administration server, and offline via media or even USB.*
- **Enhanced reliability and security:** *SUSE Linux Enterprise Point of Service integrates advanced reliability and security features. You can build very small images for SUSE Linux Enterprise Point of Service to decrease the danger of malicious attacks. The communication between servers is encrypted and uses security certificates. SUSE Linux Enterprise Point of Service supports Payment Card Industry Data Security Standard and ships with all security tools delivered with SUSE Linux Enterprise Server, like VPN, Secure Shell, integrated firewall and more.*

In addition to capabilities such as role-based configuration, support of delta images and new problem determination tools, that had been added with Service Pack 1, SUSE Linux Enterprise Point of Service 11 Service Pack 2 features the following key enhancements:

- *Integration of the Subscription Management Tool for SUSE Linux Enterprise, making it easier for IT administrators to centrally manage software updates within the firewall on a per-system basis*
- *Extended roll-back functionalities to a previous image version from the POS terminal, allowing to store all related configuration files, custom PXE boot configurations and similar associated files*
- *Support of RAID-1 with SUSE Linux Enterprise Point of Service PXE images, making it possible to create images that provide for two-disk mirroring on a terminal in order to deliver better resilience and availability of data while improving performance*
- *Improved security by offering support for encrypted partitions, providing the functionality necessary to build PCI DSS compliant systems*
- *Latest version of KIWI, the imaging suite that allows customers to configure, build and deploy retail-specific operating system images and easily deploy them to branch servers and POS devices*

System Requirements

Administration server:

- **Supported processor platform:** x86-64, x86
- **Disk space:** 4 GB (minimum); 15 GB (recommended)
- **RAM:** 512 MB (minimum), 512MB–3 GB with at least 512 MB per CPU (recommended)

Administration server with image building components:

- **Supported processor platform:** x86-64, x86
- **Disk space:** 25 GB (minimum); this will vary depending on the number and size of the images
- **RAM:** 512 MB (minimum); 512 MB–3 GB with at least 512 MB per CPU (recommended)

Branch server:

- **Supported processor platform:** x86-64, x86
- **Disk space:** 4 GB (minimum); 10 GB (recommended)
- **RAM:** 512 MB (minimum), 512MB–3 GB with at least 512 MB per CPU (recommended)

Point of Service Client:

- **RAM:** 256 MB (minimum), 512 and above (recommended, depending on the particular image)

