

Data Sheet

SUSE® Linux Enterprise Point of Service Client

Product Overview

SUSE® Linux Enterprise Point of Service Client 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.

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 Client runs on old hardware or the latest innovative systems, you can re-purpose old machines for your POS servers, extending the life of your legacy systems. You can use it on whatever hardware system you want while the subscription is active. It is not tied to a specific device. Finally, it shares one code base with all

other products based on SUSE Linux Enterprise.

- **Enjoy flexibility:** With SUSE Linux Enterprise Point of Service Client, 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 NCR, Fujitsu, Toshiba, SAP, Oracle, Flooid, GK Software and many others that support SUSE Linux Enterprise Point of Service Client, 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.

Key Features

- Components: SUSE Linux Enterprise Point of Service Client combined with SUSE Manager for Retail provides a fully managed end-point solution. The solution includes:
SUSE Manager for Retail Server: Central administration console/server (webUI, command line, API)

- The SUSE Manager for Retail Server manages all point-of-service devices and stores images, holds an embedded postgres database which stores all information about registered devices such as HW/SW inventory, salt states, pillar information, and repository content.

SUSE Manager for Retail Branch Server:

- The SUSE Manager for Retail branch server offloads work from the SUSE Manager for Retail Server and provides the infrastructure for deploying the client images and distributing the operating system image updates to the client devices. It provides a retail site (managed endpoints) with vital network-based services, such as TFTP, FTP, DNS/DHCP and PXE Booting (booting the point-of-service client). It also acts as cache for the content needed to apply OS updates & security patches and provides 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 SUSE Manager for Retail server.

- **Enhanced reliability and security:** SUSE Linux Enterprise Point of Service Client integrates advanced reliability and security features. You can build very small images for SUSE Linux Enterprise Point of Service Client to decrease the danger of malicious attacks. The communication between servers is encrypted and uses security certificates. SUSE Linux Enterprise Point of Service Client 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.

SUSE Manager for Retail

In combination with SUSE Manager for Retail, SUSE delivers a best-in-class open source infrastructure management solution, optimized, and tailored specifically for the retail industry. It enables retailers to reduce costs, manage complexity and ensure compliance.

- Simplify and optimize the end-to-end management of point-of-service systems
- Increase efficiency with optimization capabilities for low bandwidth store environments and off-line branch operations.
- Image building for your POS devices using pre-defined templates and streamlined deployment
- CVE/OpenSCAP support
- Monitoring
- Virtualization Management

SUSE Manager for Retail is a next generation open source infrastructure management solution, delivers best-in-class open source infrastructure management, optimized and tailored specifically for the retail industry. From Mainframe and HPC Clusters, bare metal servers and VMs down to point of service terminals, kiosks, self-service and reverse vending systems Linux deployments, SUSE Manager for Retail is designed to help you reduce costs, optimize operations, and ensure compliance across your IT infrastructure while reducing complexity and regaining control.

Hardware Requirements

SUSE Manager Server:

- Supported Processor Platforms: Multi-core 64-bit CPU (x86-64; IBM z Systems and LinuxONE; IBM POWER8 or POWER9 processor-based server in Little Endian mode)
- RAM: Minimum 4GB for test, 16GB for base installation, 32GB for a production server
- Disk Space:
 - Minimum 100GB for root partition
 - Minimum 50GB for /var/lib/pgsql
 - Minimum 50GB per SUSE® product and 200GB per Red Hat product for /var/ spacewalk

SUSE Manager for Retail Branch Server:

- Supported Processor Platforms: Multicore 64-bit CPU (x86-64)

- RAM: Minimum 4GB for test, 16GB for base installation, 32GB for a production server
- Disk Space:
 - Minimum 100GB for root partition
 - Minimum 50GB for `/var/lib/pgsql`
 - Minimum 50GB per SUSE product and 200GB per Red Hat product for `/var/` spacewalk

Point of Service Client:

- Supported processor platform: x86
- Disk space: 4 GB (minimum); 10 GB (recommended)
- RAM: 512 MB (Lower requirements might be supported, please call your sales representative upfront)

SUSE
Maxfeldstrasse
90409 Nuremberg
www.suse.com

For more information, contact SUSE at:
+1 800 796 3700 (U.S./Canada)
+49 (0)911-740 53-0 (Worldwide)

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