SUSE Manager for Retail

SUSE Manager for Retail, 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.

SUSE Manager for Retail at a Glance:

- **Products:**
  SUSE Manager for Retail
  SUSE Linux Enterprise Server
  SUSE Linux Enterprise Point of Service

Benefits

Lower costs, optimize operations and simplify deployment while easily scaling larger and more complex retail environments.

- Optimize operations and reduce costs across retail environments and POS devices by enabling IT administrators to automate Linux server provisioning, patching and configuration for faster, consistent and repeatable update deployments to the retail environment.
- Optimize IT operations by ensuring that retail systems and POS devices are kept up to date with automated patch management, based on the assigned software channel.
- Boost IT efficiency with automated deployment of updates to the retail environment for faster, consistent and repeatable provisioning and configuration without compromising speed or security.
- Reduce IT costs by enabling easy, centralized management and administration of POS service retail servers and image builds.
- Exceed in-store computing needs at low cost with all the stability, security and availability advantages of Linux.

Ensure compliance with internal security policies and external regulations of your retail environment with automated monitoring, tracking, auditing and reporting.

- Enable safe deployment of store applications on a secure and compliant platform that ensures system compliance based on your own internal security policies.
  - Quickly identify and remediate systems that are out of compliance with company security policies.
- Enable compliance auditing and reporting by tracking and logging all hardware and software changes made to your managed retail environment infrastructure.

Reduce complexity while increasing flexibility and regaining control of your POS devices and image building with simplified management and control.

- Flexibility of hardware choice with a broad range of supported hardware types, providing improved flexibility, choice and vendor independence.
- Regain control of your retail environment infrastructure assets with the capability to quickly view all of

your Linux assets and identify assets that need attention (e.g., needs a patch, goes offline, stops responding, etc.).

- Reduce complexity by organizing your Linux servers into logical groupings for easier management–group or tag them with additional details (e.g., store or region location, vendor, CPU architecture, RAM, etc.).

Key Features

- **Automation.** API-driven automation for POS system provisioning, configuration and patching.
- **Asset Management.** Inventory hardware and software systems.
- **Provisioning.** Provision unattended bare-metal systems via AutoYaST/Kickstart/PXE booting and track POS system changes and return to a previous version or configuration if required.
- **Software and Package Management.**
  - Collect and distribute custom software packages into manageable groups.
  - Centrally push software by grouping POS systems, easing the burden of manually managing individual devices.
  - Create customized repositories for the delivery of operating system packages or RPM-based applications and content.
  - Migrate SUSE Linux Enterprise to new service packs directly from the SUSE Manager user interface.
  - Use the SUSE Manager application programming interface (API) to create custom scripts for easily automating many tasks.
  - Use the SUSE Manager UI to set up an image build host and build customized images or leverage pre-build image templates to set up your POS systems.
  - Provision RPM-based applications to automatically deploy complete, integrated software stacks.
  - Search operating system instances by packages, patches or system specifications to reduce administrative overhead.
  - Remove unnecessary system packages and freeze the current configuration to avoid package installations by mistake.

- **Patch Management.**
  - Receive notifications when the latest Linux updates are available.
  - Connect to SUSE Customer Center to easily access updates, security patches and service packs.
  - Plan maintenance windows ahead of time by scheduling updates.
  - Apply role-based controls so administrators have authority to manage each system.
  - Significantly reduce the time to patch hundreds, even thousands, of POS systems via real-time configuration and monitoring.

- **Real-time Orchestration and Configuration Management.**
  - Optimize operations by leveraging the forms-based framework of SUSE Manager to quickly and efficiently set up your store environment. The forms-based approach helps you to set up a store server and configure key services (such as DHCP server, DNS server, PXE boot server, TFTP server and FTP server) with the branch server, providing the network boot and systems management infrastructure.
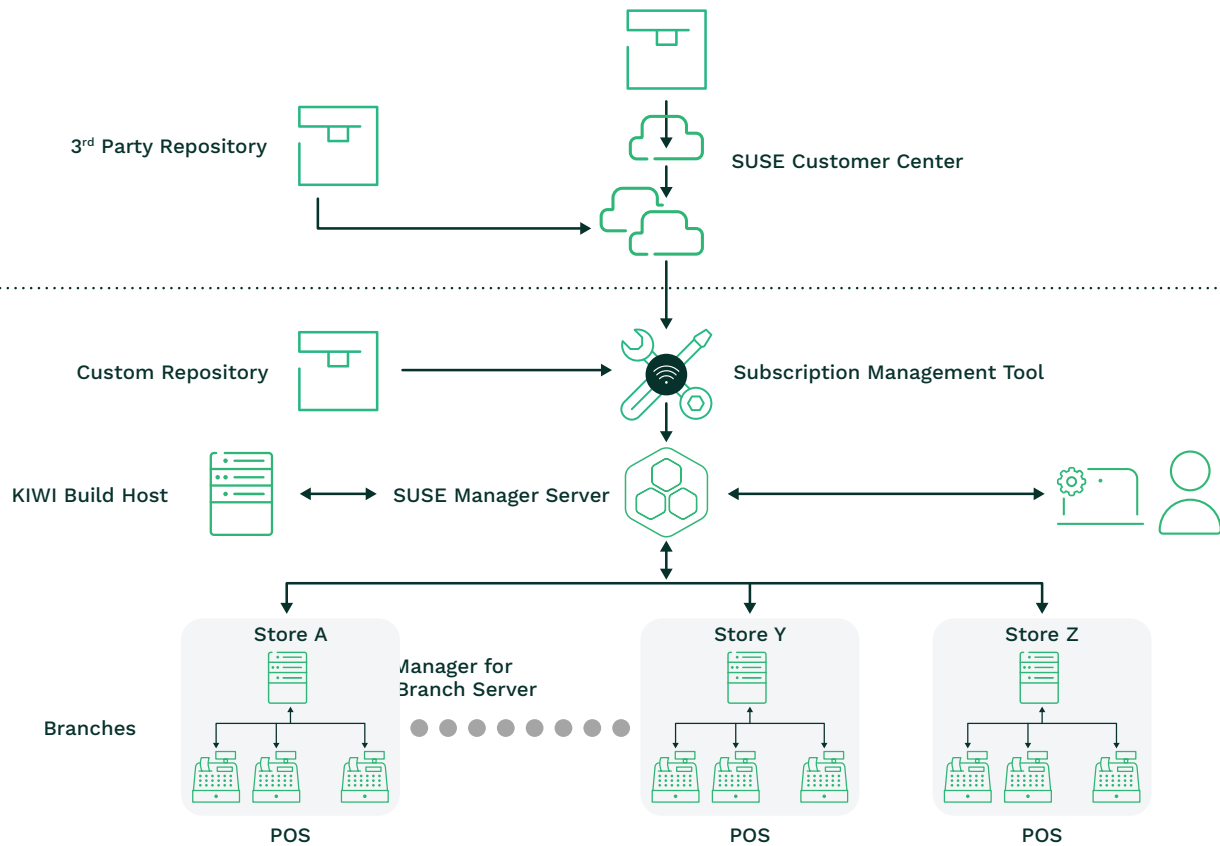 - Salt-based configuration management enables fast and secure deployment of thousands of POS systems. Manage configurations over time to track and manage configuration drift.
  - Centralize configuration file management for POS system groups.
  - Deploy and parameterize salt formulas with standardized forms via the SUSE Manager UI.
  - Develop and maintain standardized configuration profiles for devices or groups of POS systems to simplify initial provisioning.

- **Monitoring.** SUSE Manager includes comprehensive monitoring solutions, including the Nagios- compatible Icinga monitoring server, which enables you to use existing Icinga-based, in-house monitoring solutions with SUSE Manager. It also offers the option to integrate SUSE Manager with Prometheus Monitoring for customers looking to leverage those monitoring solutions.

For detailed product specifications and system requirements, visit: **www.suse.com/products/suse-manager-retail/**

System Requirements

MINIMUM 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

3rd Party Repository

SUSE Customer Center

Custom Repository → **Subscription Management Tool**

KIWI Build Host ↔ **SUSE Manager Server**

Branches

Store A — Manager for Branch Server ... Store Y ... Store Z

POS · POS · POS

■ **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

MINIMUM HARDWARE REQUIREMENTS—
SUSE MANAGER FOR RETAIL BRANCH SERVER

■ **Supported Processor Platforms:** Multi-core 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

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