Data Sheet

SUSE Manager 4.3

Manage without Disruption

SUSE Manager 4.3 at a glance:

SUSE Manager is a true open source infrastructure management solution designed to simplify and secure your entire mixed Linux environment – at the core, on the edge or in the cloud. SUSE Manager gives you:

- Security through automation
- Centralized scalability
- Freedom of choice

SUSE

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Product overview

SUSE Manager is built to help your enterprise DevOps and IT Operations teams to manage without disruption across your entire mixed Linux estate. By employing SUSE Manager, you reduce complexity and regain control of IT, IoT, Edge and Point-of-Services assets, ensure compliance with internal security policies, and optimize operations to reduce costs. Whether you have 10 or 1M clients, SUSE Manager provides management, monitoring, and reporting all from a single console.

Key benefits

In a world of disruptions, SUSE brings innovation without disruption. We help customers and partners stay ahead of cyberattacks with advanced supply chain security and confidential computing. But how do these customers continue to keep even their most complicated infrastructure secure? SUSE Manager 4.3 keeps your peace of mind with:

- **Automate infrastructure security & compliance of your entire Linux estate** SUSE Manager keeps your systems secure and compliant. Cyberattacks are on the rise and downtime is costly. A recent study showed that $33.6 M (USD) is the average annual cost of downtime tied to cybersecurity attacks for organizations, But cyberattacks are not only financially costly, but also lead to customer mistrust.

  And because a leading cause of cyber-attacks is inconstant patching, SUSE Manager helps secure your infrastructure with automated patch and configuration management that provide auto-remediation. Additionally, with SUSE Manager you can validate your infrastructure against SCAP protocols and perform audit scans on client systems through openSCAP. Routinely scan your systems from CVEs (a list of publicly disclosed computer security flaws) and use auto remediation and live patching to keep your systems secure.

  Simplify management and reduce complexity with graphical visualization of your IT systems status and their relationships as well as the capability to organize your Linux servers into logical groupings. SUSE Manager helps you regain control of your IT assets wherever they are.

- **Ensure compliance with internal security policies and external regulations.** You can automate monitoring, tracking, auditing, and reporting of your systems, VMs and containers across your DevOps environment to ensure compliance. Easily track system compliance to current patch levels and quickly identify and remediate systems deployed in cloud and container infrastructures that are out of compliance with company policies.

  Take advantage of real-time monitoring and graphical dashboarding. Ensure infrastructure compliance with centralized control and portfolio-wide reporting at any scale from 10 to 1 million clients.

- **Optimize operations and reduce costs.** Enterprise DevOps and IT teams can optimize operations, reduce costs and

> "SUSE Manager gives us a much clearer view across the estate when it comes to responding to inquiries from our security teams. We can use the built-in OpenSCAP auditing tool in SUSE Manager to check status and cross-reference with the data held by the security teams."
>
> **Sébastien Gravil**
> IT infrastructure consultant
> Pôle Emploi

support CI/CD, with a single tool for automated deployment of hardened OS templates (VMs or containers) for faster, consistent and repeatable provisioning, orchestration and configuration without compromising speed or security. Additionally, SUSE Manager makes it easy to manage and optimize usage of SUSE subscriptions, helping to ensure you aren't buying subscriptions you don't need.

Get fine-grained control of content — from custom content to binaries and configuration management. Create filters to get the exact content needed. Migrate content in alignment with patch cycles and deployment designs – across your entire mixed Linux environment.

Reduce time spent on patching with automation and scheduling; increase time on business critical, innovative projects.

Key features

SUSE Manager has a number of features to keep your entire mixed Linux system secure providing management without disruption and helping to keep your peace of mind.

Automation

- API driven automation for Linux server provisioning, configuration and patching
- Integration with Ansible automation with the ability to run Ansible playbooks from SUSE Manager

Integration

- HTTP APIs so that you can integrate SUSE Manager with a wide variety of tools and solutions

Asset management

- Inventory hardware and software systems
- Create reports for physical, virtual machines and cloud instances, assign subscriptions and identify over- or under-utilization

> "As we continue to build out our IT service offerings to our customers, it is important to rely on companies like SUSE to deliver patches and help us stay one step ahead of the bad actors—it makes getting ROI easier."
>
> **Marshall Lew**
> Sr. Director of IT Platform Engineering & Network Services
> Office Depot

Provisioning

- Provision unattended bare-metal systems via AutoYaST/Kickstart/PXE booting; virtual guests as easily as physical instances; new servers identical to a running server or predefined configuration; and SUSE Studio™ images directly
- Track server changes and return to a previous version or configuration if required
- Provision and start/stop/configure virtual guests
- Support first-time installation with rapid setup of network installation environments (create Cobbler systems records

Software and package management

- Collect and distribute custom software packages into manageable groups
- Centrally push software by grouping servers, easing the burden of manually managing individual servers
- Create customized repositories for the delivery of operating system packages or RPM Packet Manager-based (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
- 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 server 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 up to 1M servers via real-time configuration

and monitoring
- Gain granular controls of delivering package and configuration controls

Real-time orchestration and configuration management

- Salt-based configuration management enables fast and secure deployment of tens of thousands of systems
- Manage configurations over time to track and manage configuration drift
- Centralize configuration file management for server groups
- Deploy and parameterize salt formulas with standardized forms via SUSE Manager UI
- Develop and maintain standardized configuration profiles for servers or groups of servers to simplify initial server provisioning
- Easily migrate custom scripts for Red Hat Satellite, create new AutoYaST and Kickstart scripts or use SUSE Manager to develop new scripts based on existing installations

Redeployment

- Re-deploy on the same hardware; no physical interaction is needed

Monitoring

- SUSE Manager includes a comprehensive monitoring solution including the option to integrate SUSE manager with Prometheus Monitoring for customers looking to leverage those monitoring solutions

Containerization

- Deploy SUSE Manager in the most resource constrained environment by deploying the Proxy Server or the Branch Retail Server as a set of container
- Integrate SUSE Manager as part of your Cloud Native architecture

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

System requirements

Minimum Linux server system requirements for installation

- CPU: Multi-core 64-bit CPU (x86-64)
- RAM: 16 GB minimum for base installation, 32 GB minimum for production server
- Free disk space: 100 GB minimum for base installation, plus a minimum of 130 GB for repository data

Supported processor platforms

- x86-64 (64-bit)
- IBM z Systems and LinuxONE
- IBM POWER8 or POWER9 processor–based server in Little Endian mode

Support Distributions

- SLES 12, 15
- SLE Micro 5.1, 5.2
- RHEL 7, 8, 9*
- Oracle Linux 7, 8, 9*
- CentOS 7
- SUSE Liberty 7, 8, 9*
- Ubuntu 18.04, 20.04, 22.04*
- Debian 10, 11
- MicroFocus Open Enterprise Server 2018
- Amazon Linux 2
- Alma & Rocky Linux
- Community-supported
- Alibaba Cloud Linux 2
- Astra Linux CE

*These distros will be supported on release.

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

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