SUSE® Manager 4
What's new
SUSE Manager

Best-in-class open source infrastructure management solution designed to help your enterprise DevOps and IT Operations teams to:

• Optimize operations while reducing costs
• Reduce complexity and regain control of IT assets
• Ensure compliance with internal security policies and external regulations
Manager 4 Highlights

- Content Lifecycle Management
- Monitoring
- SLES for SAP (HANA) formulas
- Virtual Machine Management
- Extended managed OS support
- SLE 15 Base Product
Manager 4 New Differentiators

- Content Lifecycle Management
- Monitoring
- SLES for SAP (HANA) formulas
- Virtual Machine Management
- Extended managed OS support
- SLE 15 Base Product
Introducing SUSE Manager 4

Delivering new and enhanced features for managing across IoT, cloud and container infrastructures and provides three key benefits:

1. **Lowers costs and simplifies management** with enhanced content lifecycle management and virtual machine management
2. **Increases availability and visibility** with expanded monitoring and alerting capabilities enabling you to easily identify and resolve issues
3. **Reduce complexity and regain control** with expanded OS support (Ubuntu LTS and OpenSUSE Leap) and new SAP HANA deployment capabilities making easier than ever to install and configure SAP HANA

Be ready for the future, now based on the brand-new SUSE Linux Enterprise 15 Service Pack 1, with the latest Salt 2019.2.0 and all the new features from Uyuni
Simplify management and reduce operational expenditure with enhanced Content Lifecycle Management (CLM)

• Moving packages across multiple stages, like development, QA and production is now a simple UI-based task.
Create a new Content Lifecycle Project

Project Properties

Label*: web_servers

Name*: Web Servers

Description: My web servers
Sources

Type: Channel

New Base Channel: SLE-Product-SLES15-SP1-Pool for x86_64

Choose the channel to be elected as the new base channel

Child Channels (8)

- SLE-Product-SLES15-SP1-Pool for x86_64 (8)
  - include recommended
  - mandatory
    - SLE-Product-SLES15-SP1-Updates for x86_64
    - SLE-Module-Basesystem15-SP1-Updates for x86_64
    - SLE-Module-Basesystem15-SP1-Pool for x86_64
    - SLE-Manager-Tools15-Pool for x86_64 SP1
    - SLE-Manager-Tools15-Updates for x86_64 SP1
    - SLE-Module-Server-Applications15-SP1-Pool for x86_64
    - SLE-Module-Server-Applications15-SP1-Updates for x86_64
    - SLE-Module-Containers15-SP1-Updates for x86_64
    - SLE-Module-Containers15-SP1-Pool for x86_64
    - SLE-Module-Python2-15-SP1-Updates for x86_64
    - SLE-Module-Python2-15-SP1-Pool for x86_64

Search a channel

- Vendors
- Custom
- Clones

Cancel  Save
<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>QA Environment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version:</strong></td>
<td>Version 1: Initial build ...</td>
</tr>
<tr>
<td><strong>Status:</strong></td>
<td>Cloning channels 🌟</td>
</tr>
</tbody>
</table>
## Content Lifecycle Filters

<table>
<thead>
<tr>
<th>Name</th>
<th>Projects in use</th>
<th>Edit Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>MY filter</td>
<td>web_servers</td>
<td></td>
</tr>
<tr>
<td>Kernel Filter</td>
<td>web_servers</td>
<td></td>
</tr>
</tbody>
</table>

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SUSE Manager 4: Infrastructure Monitoring

**Increase availability and visibility** with expanded monitoring and alerting capabilities enabling the easy identification and resolution of issues

- Gain better infrastructure insights and reduce downtime
- Provision, configure, and automate a reliable and easy to use monitoring and alerting infrastructure
SUSE Manager Configuration - Monitoring

Setup your SUSE Manager server monitoring.

- General
- Bootstrap Script
- Organizations
- Restart
- Cobbler
- Bare-metal systems

Monitoring

- System
- PostgreSQL database
- Taskomatic (Java JMX)
- Tomcat (Java JMX)

Server Monitoring

The server uses Prometheus exporters to expose metrics about your environment.

Refer to the documentation to learn how to consume these metrics.
On this page you can configure Salt Formulas to automatically install and configure software.

Prometheus Exporters

Node Exporter

Enabled:

Postgres Exporter

Enabled:

Data Source Name:

postgresql://user:passwd@localhost:5432/database?sslmode=disable
SUSE Manager 4: SAP HANA Deployment

Reduce complexity and regain control with new SAP HANA deployment capabilities making easier than ever to install and configure SAP HANA.
On this page you can select Salt Formulas for this group/system, which can then be configured on group and system level. This allows you to automatically install and configure software.

Formulas

Choose formulas:

- No group
  - Webserver
    - Cluster
      - Cluster
    - Sap Hana Deployment
    - Hana
On this page you can configure Salt Formulas to automatically install and configure software.

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**Cluster**

- **Cluster name:** hackcluster
- **First node:**
- **Unicast:**
- **Interface:** wlan0
- **Ntp:** pool.ntp.org

**Watchdog configuration**

- **Watchdog module to load:** softdog
- **Watchdog device:** /dev/watchdog

**SBD configuration**

- **Diskless SBD (if device is set this option is skipped):**
- **SBD device url:** /dev/vdb
Ease virtual machine management complexity with new Salt based virtual machine management

- Near real-time management hundreds of virtual servers.
- Manage virtual machines through a UI, with start/stop buttons, and by defining Salt states:
SUSE Manager 4: SLE 15 Base Product

- Consistent with other SLE-based products like SLES for SAP Applications
- One compact installation media for all
Other improvements in Manager 4

- SAML-based Single Sign-On
- Faster and slicker UI
- Completely modernized stack
  
  (SLE 15 SP1, Uyuni, OpenJDK11, Python 3, Salt 2019.2.0)