SUSE Manager 4.3

Quick Start Guide

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SUSE

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Quick Start

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This guide shows you how to use install and configure a single SUSE Manager Server or Proxy.

It contains instructions for a selection of simple setup ups, workflows and some common use cases.

You can read Quick Start Guides for:

- **Quickstart › Quickstart-install-suma-server**
- **Quickstart › Quickstart-install-suma-proxy**

Chapter 1. Quick Start SUMA Server

This guide shows you how to install and configure a single SUSE Manager Server for x86-64 architecture from the SUSE Linux Enterprise installation media with the Unified Installer.

For this topic we assume that you already have valid organization credentials with SUSE Customer Center and have obtained a registration code for your SUSE Manager, for example from a "SUSE Manager Lifecycle Management+" subscription.

1.1. Install SUSE Manager Server

This section describes how to install SUSE Manager Server from the SUSE Linux Enterprise installation media.

Procedure: Installing SUSE Manager Server from a DVD Image

1. Boot your system with the Unified Installer. If booting fails you might need to adjust the boot order in the BIOS.

2. When prompted, select `Installation`.

3. In the `Language, Keyboard and Product Selection` screen, check `SUSE Manager Server`, and click [**Next**].

4. Read and agree to the End User Licence Agreement, and click [**Next**].

5. In the `Registration` screen, check the `Register System via scc.suse.com` checkbox, enter your SUSE Customer Center credentials, and click [**Next**].

6. In the `Extension and Module Selection` screen, select additional extensions or modules you require, and click [**Next**]. Mandatory modules are pre-selected and you cannot disable them.

7. OPTIONAL: In the `Add On Product` screen, select any additional or add-on products you require, and click [**Next**]. We do not recommend that you run any other workloads on SUSE Manager. Only use add-ons that you absolutely require, such as driver repositories from your hardware vendor.

8. In the `System Role` screen, check the `SUSE Manager Server` checkbox, and click [**Next**].

9. In the `Suggested Partitioning` screen, either accept the default values, or use the [**Guided Setup**] or [**Expert Partitioner**] options to customize your partitioning model, and click [**Next**].

10. In the `Clock and Time Zone` screen, enter your region and timezone, and click [**Next**].

11. In the `Local Users` screen, create a new user, and click [**Next**].

12. In the `System Administrator "root"` screen, create the "root" user, and click [**Next**].

13. Review the settings on the `Installation Settings` screen.

14. On the `Installation Settings` screen click [**Install**].

1.2. Set up SUSE Manager with YaST

This section guides you through SUSE Manager setup using YaST.

Procedure: SUSE Manager Setting up

1. On the SUSE Manager Server, at the command line, use the `yast2 susemanager_setup` command to begin setup.

2. From the introduction screen select **SUSE Manager Setup › Setup SUSE Manager from scratch** and click **[Next]** to continue.

3. Enter an email address to receive status notifications and click **[Next]** to continue. SUSE Manager can sometimes send a large volume of notification emails. You can disable email notifications in the Web UI after setup, if you need to. For more information on disabling email notifications, see **Reference › Users**.

4. Enter your certificate information and a password. If you intend to use a custom SSL certificate, you need to have set this up first. For more information about SSL certificates, see **Administration › Ssl-certs**.

5. Click **[Next]** to continue.

6. From the **SUSE Manager Setup › Database Settings** screen, enter a database user and password and click **[Next]** to continue.

7. Click **[Next]** to continue.

8. Click **[Yes]** to run setup when prompted, and wait for it to complete.

9. Click **[Next]** to continue. Take a note of the address of the SUSE Manager Web UI.

10. Click **[Finish]** to complete SUSE Manager setup.

1.3. Create the main administraton account

This section guides you through creating your organization's main administration account for SUSE Manager

Procedure: Setting Up the Main Administration Account

1. In the browser, enter the address provided after completing setup. With this address you open the SUSE Manager Web UI.

2. In the Web UI, navigate to the **Create Organization › Organization Name** field and enter your organization name.

3. In the **Create Organization › Desired Login** and **Create Organization › Desired Password** fields, enter your username and password.

4. Fill in the Account Information fields including an email for system notifications.

5. Click **[Create Organization]** to finish creating your administration account.

You are now presented with the SUSE Manager **Home › Overview** page.

When you have finished creating the main administrator account on the new SUSE Manager Server, you need to mirror the products from SCC.

1.4. Synchronize with SUSE Customer Center

This section covers synchronizing with SCC from the Web UI and adding your first client channel.

Procedure: Entering Organization Credentials

1. In the SUSE Manager Web UI, select **Admin › Setup Wizard**.

2. From the `Setup Wizard` page select the **[Organization Credentials]** tab.

3. Click **[Add a new credential]**.

4. In the dialog, enter `Username` and `Password`, and confirm with **[Save]**.

When the credentials are confirmed with a check-mark icon, proceed with Procedure: Synchronizing with SUSE Customer Center.

Procedure: Synchronizing with SUSE Customer Center

1. In the Web UI, navigate to **Admin › Setup Wizard**.

2. From the `Setup Wizard` page select the **[SUSE Products]** tab. If you previously registered with SUSE Customer Center a list of products will populate the table. This operation could take up to a few minutes. You can monitor the progress of the operation in section on the right `Refresh the product catalog from SUSE Customer Center`. The table of products lists architecture, channels, and status information. For more information, see **Reference › Admin**.

3. Use `Filter by product description` and `Filter by architecture` to filter the list of displayed products. If your SUSE Linux Enterprise client is based on `x86_64` architecture scroll down the page and select the check box for this channel now.

   ○ Add channels to SUSE Manager by selecting the check box to the left of each channel. Click the arrow symbol to the left of the description to unfold a product and list available modules.

   ○ Click **[Add Products]** to start product synchronization.

After adding the channel, SUSE Manager will schedule the channel to be synchronized. This can take a long time as SUSE Manager will copy channel software sources from the SUSE repositories located at SUSE Customer Center to local `/var/spacewalk/` directory of your server.

When the channel is fully synchronised, the bootstrap repository will be automatically created. The bootstrap repository is necessary for the succeful bootstrapping of creation of the activation key will be assciated with the clients can be bootstrapped following the steps This completes SUSE Manager installation and configuration, with channel preparation for the client bootstrapping.

When the channel synchronization process is complete, you can continue with client registration. For more instructions, see **Client-configuration › Registration-overview**.

Chapter 2. Quick Start SUMA Proxy

This guide shows you how to install and configure a single SUSE Manager Proxy for x86-64 architecture from the SUSE Linux Enterprise installation media with the Unified Installer.

For this topic we assume that you already have valid organization credentials with SUSE Customer Center and have obtained a registration code for your SUSE Manager Proxy, for example from a "SUSE Manager Lifecycle Management+" subscription.

2.1. Install SUSE Manager Proxy

This guide shows you how to install and configure a single SUSE Manager Proxy for x86-64 architecture from the SUSE Linux Enterprise installation media with the Unified Installer.

Procedure: Installing SUSE Manager Proxy with the Unified Installer

1. To boot the Unified Installer from the installation image, you might need to adjust the boot order in the BIOS.

2. When prompted, select `Installation`.

3. In the `Language, Keyboard and Product Selection` screen, check the `SUSE Manager Proxy` checkbox, and click [**Next**].

4. Read and agree to the End User Licence Agreement, and click [**Next**].

5. In the `Registration` screen, check the `Register System via scc.suse.com` checkbox, enter your SUSE Customer Center credentials, and click [**Next**].

6. In the `Available Extensions and Modules` screen, select any extensions or modules you require, and click [**Next**]. `Basesystem`, `SUSE Manager Proxy`, and `Server Applications` are pre-selected and mandatory for the SUSE Manager Proxy installation. OPTIONAL: In the following `Add On Product` screen, select any additional or add-on products you require, and click [**Next**].

7. In the `System Role` screen, check the `SUSE Manager Proxy` checkbox, and click [**Next**].

8. In the `Suggested Partitioning` screen, accept the default values, or use the [**Guided Setup**] or [**Expert Partitioner**] options to customize your partitioning model, and click [**Next**].

9. In the `Clock and Time Zone` screen, enter your region and timezone, and click [**Next**].

10. In the `Local Users` screen, create a new user, and click [**Next**].

11. Review the settings on the `Installation Settings` screen, and then click [**Install**].

2.2. Register SUSE Manager Proxy

> Before you can select the correct child channels while creating the activation key, ensure you have completely downloaded the SUSE Manager Proxy 4.3 channel and all the recommended and mandatory SUSE Linux Enterprise 15 SP4 channels.

Procedure: Registering the Proxy

1. Create an activation key based on the `SLE-Product-SUSE-Manager-Proxy-4.3-Pool` base channel. For more information about activation keys, see **Client-configuration › Activation-keys**.

2. From the `Child Channels` listing select the recommended channels by clicking the `include recommended` icon:

   ○ SLE-Module-Basesystem15-SP4-Pool

   ○ SLE-Module-Basesystem15-SP4-Updates

   ○ SLE-Module-Server-Applications15-SP4-Pool

   ○ SLE-Module-Server-Applications15-SP4-Updates

   ○ SLE-Module-SUSE-Manager-Proxy-4.3-Pool

   ○ SLE-Module-SUSE-Manager-Proxy-4.3-Updates

   The `SLE-Product-SUSE-Manager-Proxy-4.3-Updates` channel is mandatory.

3. To bootstrap a proxy, use the bootstrap script. For more information about bootstrap scripts, see **Client-configuration › Registration-bootstrap**.

4. Alternatively, in the SUSE Manager Web UI, navigate to **System › Bootstrapping**.

5. Navigate to **System Details › Software › Software Channels**, and check that the four proxy channels (`Pool` and `Updates` for `SLE-PRODUCT` and `SLE-MODULE`) plus the recommended channels are selected. `SLE-PRODUCT-Pool` must be the base channel and the others are child channels.

2.3. Set up SUSE Manager Proxy

Make sure the TCP ports `4505` and `4506` are open on the proxy. The proxy must be able to reach the SUSE Manager Server or a parent proxy on these ports.

Procedure: Copy Server Certificate and Key

1. The proxy will share some SSL information with the SUSE Manager Server.

2. Copy the certificate and its key from the SUSE Manager Server or the parent proxy.

3. As root, enter the following commands on the proxy using your SUSE Manager Server or parent Proxy (named `PARENT`):

```
mkdir -m 700 /root/ssl-build
cd /root/ssl-build
scp root@PARENT:/root/ssl-build/RHN-ORG-PRIVATE-SSL-KEY .
scp root@PARENT:/root/ssl-build/RHN-ORG-TRUSTED-SSL-CERT .
scp root@PARENT:/root/ssl-build/rhn-ca-openssl.cnf .
```

4. Run `configure-proxy.sh` The `configure-proxy.sh` script finalizes the setup of your SUSE Manager Proxy.

5. Execute the interactive `configure-proxy.sh` script. Pressing Enter without further input will make the script use the default values provided between brackets `[]`. Otherwise, use the values specific for your environment.

When the proxy configuration process is complete, you can continue with client registration. For more instructions, see **Client-configuration › Client-proxy**.

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