

SUSE Manager '5.0'

# Quick Start Guide

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# Table of Contents

Quick Start	1
1. Deploy SUSE Manager '5.0' Server	2
1.1. Hardware Requirements for SUSE Manager	2
1.2. SLE Micro 5.5 Installation	3
1.2.1. Update the system	4
1.3. Deploy SUSE Manager '5.0' on SLE Micro 5.5	5
1.3.1. Deploy with mgradm	5
1.4. Synchronize with SUSE Customer Center	6
1.5. Entering the container for management	8
2. GNU Free Documentation License	9

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# Quick Start

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This guide shows you how to use deploy 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:

## Container Deployment

Quickstart › Container-deployment

# Chapter 1. Deploy SUSE Manager '5.0' Server

This quick start guide shows you how to install and configure a SUSE Manager '5.0' container for x86-64 architecture on SLE Micro 5.5.

## 1.1. Hardware Requirements for SUSE Manager

This table shows the software and hardware requirements for deploying SUSE Manager Server on your machine. For the purposes of this guide your machine should have 16GB of RAM, and at least 200 GB of disk space.

**Table 1. Software and Hardware Requirements**

Software and Hardware	Recommended
Operating System:	SLE Micro 5.5
CPU:	4 64-bit CPU cores
RAM:	16 GB
Disk Space:	200 GB
Channel Requirements	50 GB per SUSE or openSUSE product 360 GB per Red Hat product
Swap space:	3 GB



### Supported operating system for the Server Container Host

The supported operating system for the container host is SLE Micro 5.5.

Server deployment mandates the use of a fully qualified domain name (FQDN). In the absence of automatic DNS provision of an FQDN by your router or network, the deployment process will not proceed successfully. An FQDN typically follows the format <host>.<domain>.com.

For instance:



- suma.example.com
- suma.fritz.box
- suma.container.lab

For additional details, refer to the section on network requirements in the Installation and Upgrade Guide, available at [Installation-and-upgrade › Network-requirements](#).

## 1.2. SLE Micro 5.5 Installation

### Procedure: Download the Installation Media

1. Locate the SLE Micro 5.5 installation media at <https://www.suse.com/download/sle-micro/>.
2. You will need an account with SUSE Customer Center and must be logged in to download the ISO.
3. Download the following file: [SLE-Micro-5.5-DVD-x86\\_64-GM-Media1.iso](#)
4. Prepare the installation media for use. We used a USB flash disk for this guide.

For detailed documentation on preparing your machines OS (virtual or physical), see [SLE Micro 5.5 Deployment Guide](#).

### Procedure: SLE Micro 5.5 Installation

1. Use the arrow keys to select **Installation**.
2. Adjust Keyboard and language. Click the **checkbox** to accept the License Agreement.
3. Click **Next** to continue.
4. Select your registration method. For this example we will register the server with SUSE Customer Center.

## SUSE Manager as an extension



The SUSE Manager '5.0' container is installed as an extension. Therefore, in addition to acquiring SUSE Customer Center registration keys for SLE Micro 5.5, you will also need SUSE Customer Center registration codes for the following extensions:

- SUSE Manager '5.0' Server
- SUSE Manager '5.0' Proxy
- Retail Branch Server

5. Enter your SUSE Customer Center Email address.
6. Enter your registration code for SLE Micro 5.5.
7. Click **Next** to continue.
8. On the **Extension and Module Selection** page uncheck the **Hide Development Versions** checkbox.
9. Select the SUSE Manager '5.0' Server extension **Checkbox**.
10. Click **Next** to continue.
11. Enter your SUSE Manager '5.0' Server extension registration code.
12. Click **[ Next ]** to continue.
13. On the **NTP Configuration** page click **[ Next ]**.
14. On the **Authentication for the System** page enter a password for the root user. Click **[ Next ]**.
15. On the **Installation Settings** page click **[ Install ]**.

This concludes installation of SLE Micro 5.5.

### 1.2.1. Update the system

1. Login at the prompt as **root**.
2. Run **transactional-update**:

```
transactional-update
```

3. Reboot the system.

4. Login as root.

5. Enter the transactional shell:

```
transactional-update shell
```

6. Install the container utilities:

```
transactional-update pkg install mgradm mgrctl mgradm-bash-completion mgrctl-  
bash-completion
```

7. Reboot the system.

## 1.3. Deploy SUSE Manager '5.0' on SLE Micro 5.5

### 1.3.1. Deploy with mgradm

#### Procedure: Deploy SUSE Manager '5.0' with mgradm

1. From the terminal run the following command replacing <suma.example.com> with your fully qualified domain name.

```
mgradm install podman <suma.example.com>
```

2. Enter a certificate and administrator account password when prompted.



The administrator account password must be at least 5 characters and less than 48 characters in length.

3. Press **[ Enter ]**.
4. Enter the email address of the administration account. Press **[ Enter ]**.
5. Wait for deployment to complete.
6. Open a browser and proceed to your servers FQDN, or IP address.

In this guide you learned how to deploy SUSE Manager '5.0' Server as a container.

## 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 green 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**.



**Setup Wizard**

HTTP Proxy   Organization Credentials   **SUSE Products**

Clear   + Add products

Filter by product Description   Filter by architecture   25 items per page

Items 1 - 25 of 94

Product Description	Arch	Channels
<input type="checkbox"/> Open Enterprise Server 2018	x86_64	
<input type="checkbox"/> RHEL Expanded Support 5	i386	
<input type="checkbox"/> RHEL Expanded Support 5	x86_64	
<input type="checkbox"/> > RHEL Expanded Support 6	i386	
<input type="checkbox"/> > RHEL Expanded Support 6	x86_64	
<input type="checkbox"/> > RHEL Expanded Support 7	x86_64	
<input type="checkbox"/> SUSE Container as a Service Platform 1.0	x86_64	
<input type="checkbox"/> SUSE Container as a Service Platform 2.0	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 11 SP2	i586	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 11 SP2	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 11 SP3	i586	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 11 SP3	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 11 SP4	i586	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 11 SP4	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 12	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 12 SP1	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 12 SP2	x86_64	
<input type="checkbox"/> > SUSE Linux Enterprise Desktop 12 SP3	x86_64	
<input checked="" type="checkbox"/> > SUSE Linux Enterprise Desktop 15	x86_64	100%
<input type="checkbox"/> > SUSE Linux Enterprise High Performance Computing 15	aarch64	include recommended
<input type="checkbox"/> > SUSE Linux Enterprise High Performance Computing 15	x86_64	include recommended
<input type="checkbox"/> > SUSE Linux Enterprise Server 10 SP3	i586	
<input type="checkbox"/> > SUSE Linux Enterprise Server 10 SP3	ia64	
<input type="checkbox"/> > SUSE Linux Enterprise Server 10 SP3	ppc	
<input type="checkbox"/> > SUSE Linux Enterprise Server 10 SP3	s390x	

Page 1 of 4   First   Prev   Next   Last

← Prev   3 of 3

Refresh the product catalog from SUSE Customer Center

Channels  
Channel Families  
Products  
Product Channels  
Subscriptions

Refresh

Why aren't all SUSE products displayed in the list?

The products displayed on this list are directly linked to your Organization credentials (Mirror credentials) as well as your SUSE subscriptions.

If you believe there are products missing, make sure you have added the correct Organization credentials in the previous wizard step.

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** ] at the top of the page 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 the local `/var/lib/containers/storage/volumes/var-spacewalk/` directory of your server.

When the channel is fully synchronized, the bootstrap repository for it will be automatically created. This is necessary for the successful bootstrapping of a client. This completes the SUSE Manager installation and configuration, with channel preparations for bootstrapping clients.

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

## 1.5. Entering the container for management

To get to a shell inside the container, run the following on the host:

```
sudo mgrctl term
```

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