

SUSE Linux Enterprise Server 15

Installation Quick Start

SUSE Linux Enterprise Server 15

This Quick Start guides you step-by-step through the installation of SUSE® Linux Enterprise Server 15.

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1 Welcome to SUSE Linux Enterprise Server

Use the following procedures to install the product on all supported hardware platforms. They assume you have successfully booted/IPLed into the installation system. For more detailed installation instructions and deployment strategies, refer to the *Book “Deployment Guide”*. For platform specific preparations required to boot or IPL into the installation system, refer to the following parts of the aforementioned guide:

- *Book “Deployment Guide”, Chapter 2 “Installation on AMD64 and Intel 64”*
- *Book “Deployment Guide”, Chapter 3 “Installation on Arm AArch64”*
- *Book “Deployment Guide”, Chapter 4 “Installation on IBM POWER”*
- *Book “Deployment Guide”, Chapter 5 “Installation on IBM Z”*

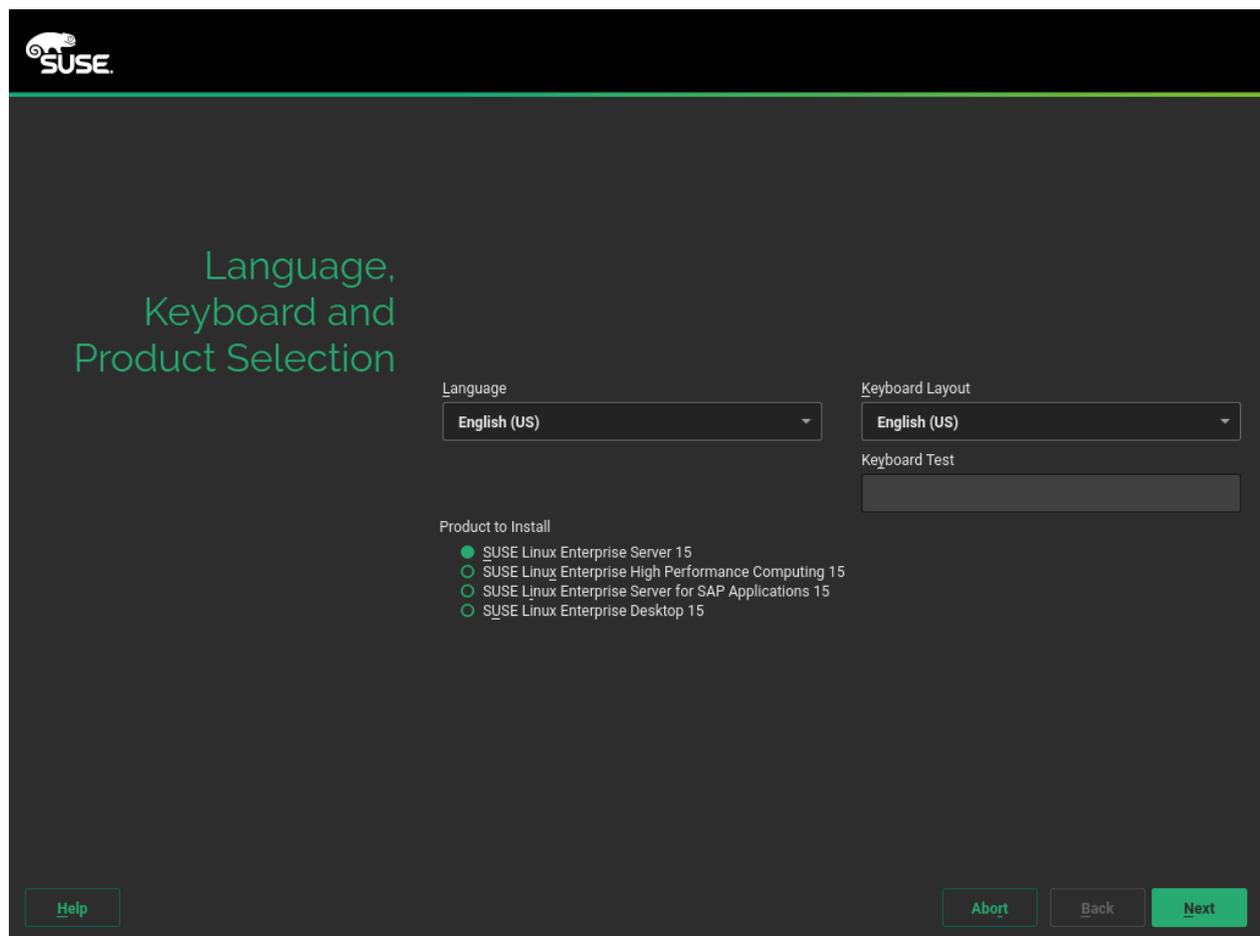
1.1 The Default Installation Procedure

Starting with SUSE Linux Enterprise Server 15, the installation medium only consists of the Unified Installer, a minimal system for installing, updating and registering all SUSE Linux Enterprise base products. During the installation you can add functionality by selecting modules to be installed on top of the Unified Installer.

A default installation requires network access to either contact the SUSE Customer Center or a local Repository Mirroring Tool server to retrieve repository data for the modules. In case you want to perform an installation without network access, a second installation medium, the `SLE-15-SP0-Full-ARCH-GM-media1.iso` image, is required.

To install SUSE Linux Enterprise Server, boot or IPL into the installer from the Unified Installer medium and start the installation.

1.1.1 Language, Keyboard, and Product Selection



The *Language* and *Keyboard Layout* settings are initialized with the language you chose on the boot screen. If you did not change the default, it will be English (US). Change the settings here, if necessary. Use the *Keyboard Test* text box to test the layout.

With the Unified Installer you can install all SUSE Linux Enterprise base products:

- SUSE Linux Enterprise Server (covered here)
- SUSE Linux Enterprise Desktop (refer to <https://www.suse.com/documentation/sled/> for installation instructions)
- SUSE Linux Enterprise High Performance Computing
- SUSE Linux Enterprise Server for SAP Applications (refer to <https://www.suse.com/documentation/sles-for-sap/> for installation instructions)

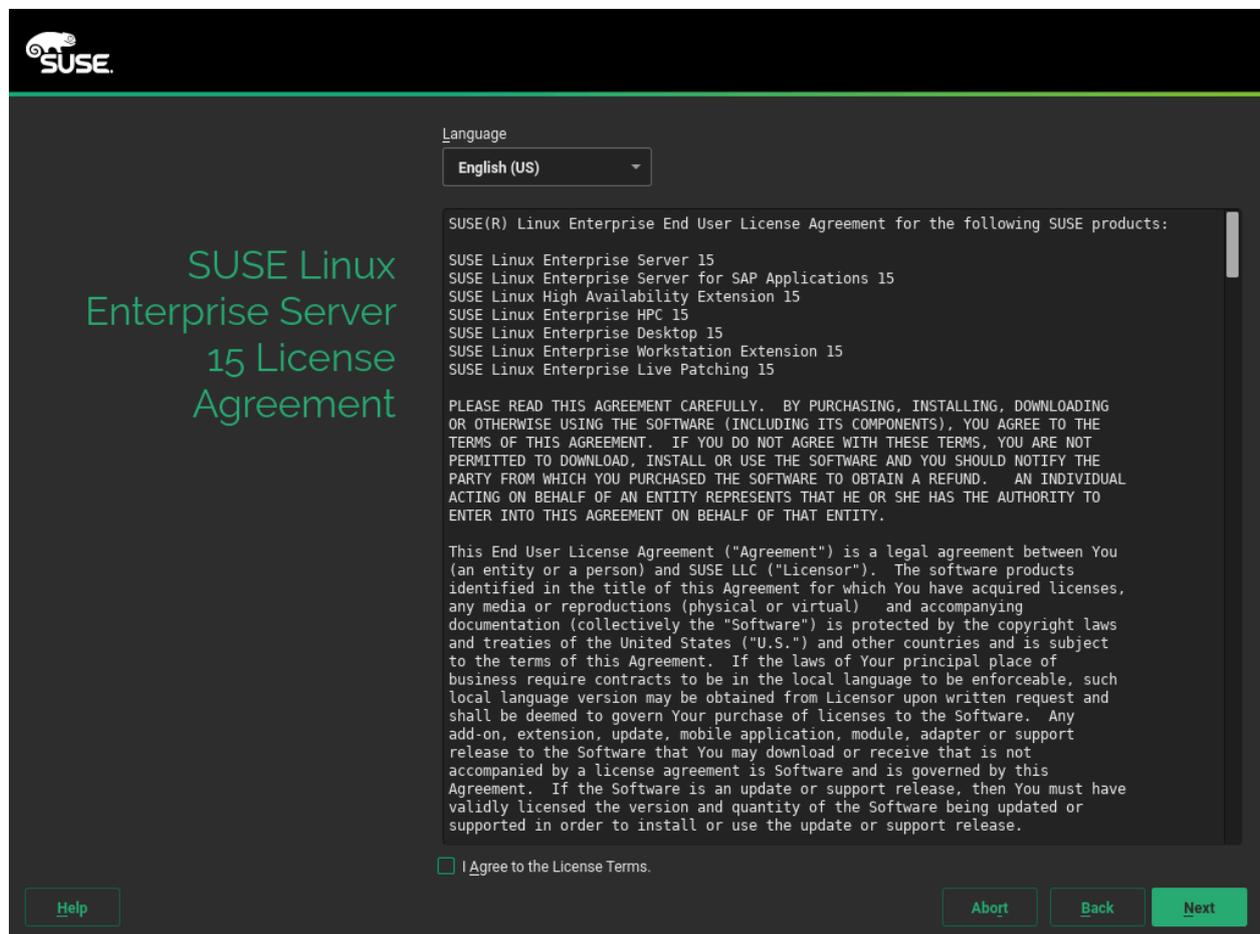
Select a product for installation. You need to have a registration code for the respective product. In the course of this document it is assumed you have chosen SUSE Linux Enterprise Server. Proceed with *Next*.



Tip: High Contrast Color Scheme

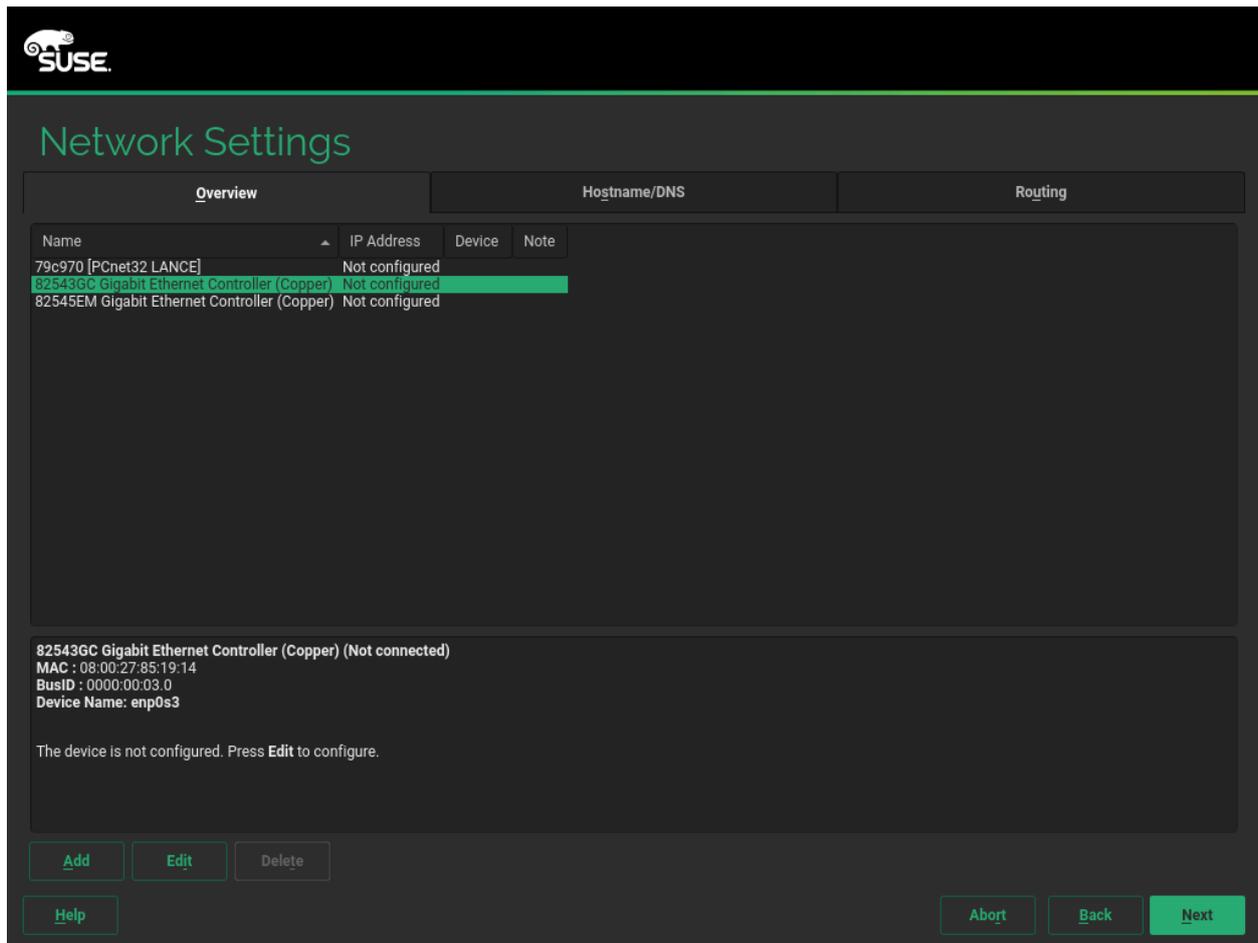
If have difficulties to read the labels in the installer, press **Shift + F4** to switch to the color scheme for vision impaired users. Press the buttons again to switch back to the default scheme.

1.1.2 License Agreement



Read the License Agreement. It is presented in the language you have chosen on the boot screen. Translations are available via the *License Language* drop-down box. You need to accept the agreement by checking *I Agree to the License Terms* to install SUSE Linux Enterprise Server. Proceed with *Next*.

1.1.3 Network Settings



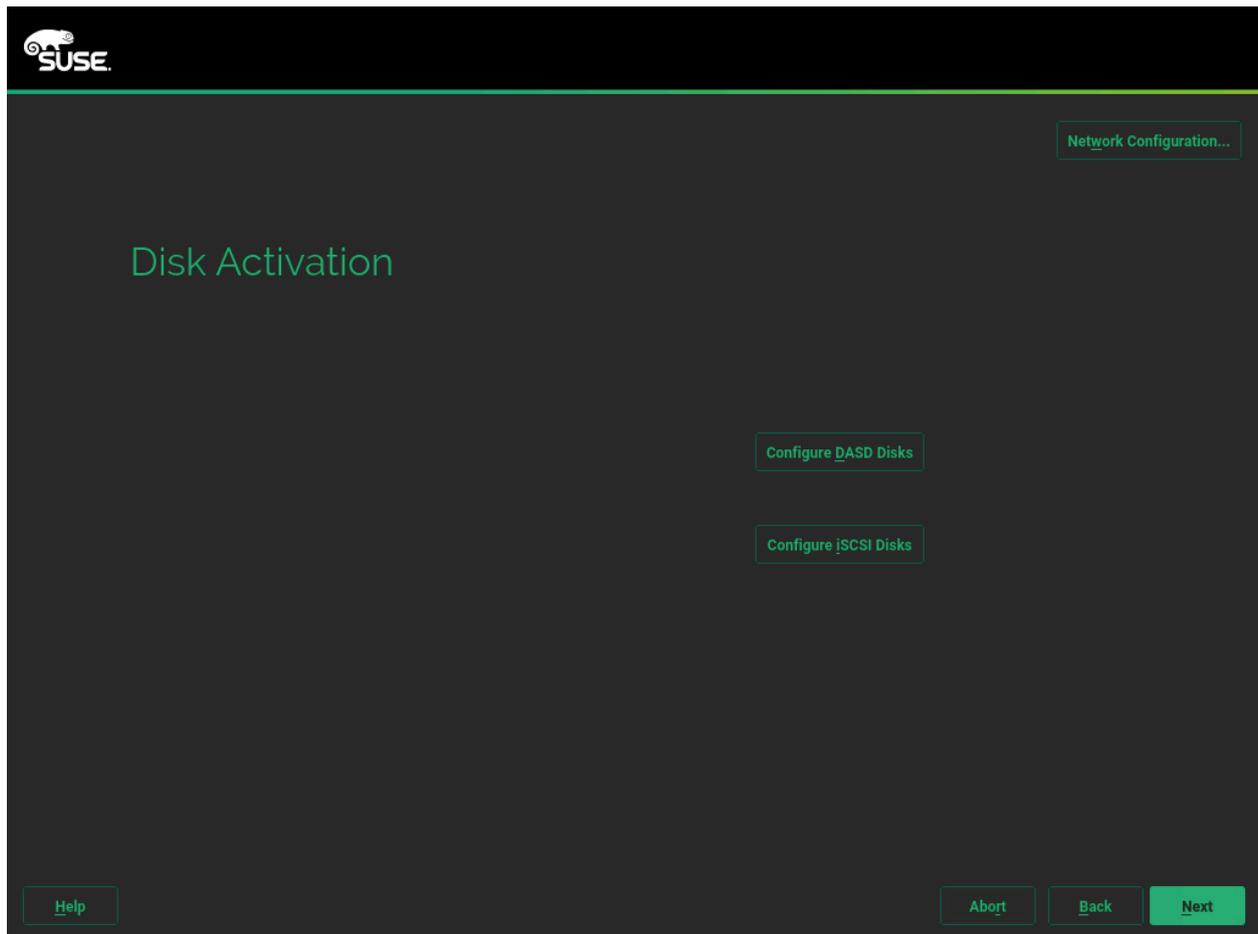
A system analysis is performed, where the installer probes for storage devices, and tries to find other installed systems. If the network was automatically configured via DHCP during the start of the installation, you will be taken to the registration step.

If the network is not yet configured, the *Network Settings* dialog opens. Choose a network interface from the list and configure it with *Edit*. Alternatively, *Add* an interface manually. See *Book "Deployment Guide", Chapter 8 "Installation Steps", Section 8.6 "Network Settings"* and *Book "Admin-*

istration Guide”, Chapter 19 “Basic Networking”, Section 19.4 “Configuring a Network Connection with YaST” for more information. If you prefer to do an installation without network access, skip this step without making any changes and proceed with *Next*.

1.1.4 IBM Z: Disk Activation

Skip this step if you are not installing on IBM Z hardware.



Configure the attached hard disks. Select DASD, Fibre Channel Attached SCSI Disks (zFCP), or iSCSI for the installation of SUSE Linux Enterprise Server. The DASD and zFCP configuration buttons are only available if the corresponding devices are attached. Proceed with *Next* to set up the selected disk type.

1.1.5 Registration

SUSE

Network Configuration...

Registration

SUSE Linux Enterprise Server 15

Please select your preferred method of registration.

- Register System via scc.suse.com
 - E-mail Address
 - Registration Code
- Register System via local SMT Server
 - Local Registration Server URL
 - https://smt.example.com
- Skip Registration

Help Release Notes... Abort Back Next

To get technical support and product updates, you need to register and activate your product with the SUSE Customer Center or a local registration server. Registering SUSE Linux Enterprise Server at this stage also grants you immediate access to the update repository. This enables you to install the system with the latest updates and patches available.

When registering, repositories and dependencies for the modules and extensions, which you may install with the next step, are loaded from the registration server.

If you are offline or want to skip registration, activate *Skip Registration*. Proceed with the installation by following the instructions in [Section 1.2, "Installing without Registration"](#).

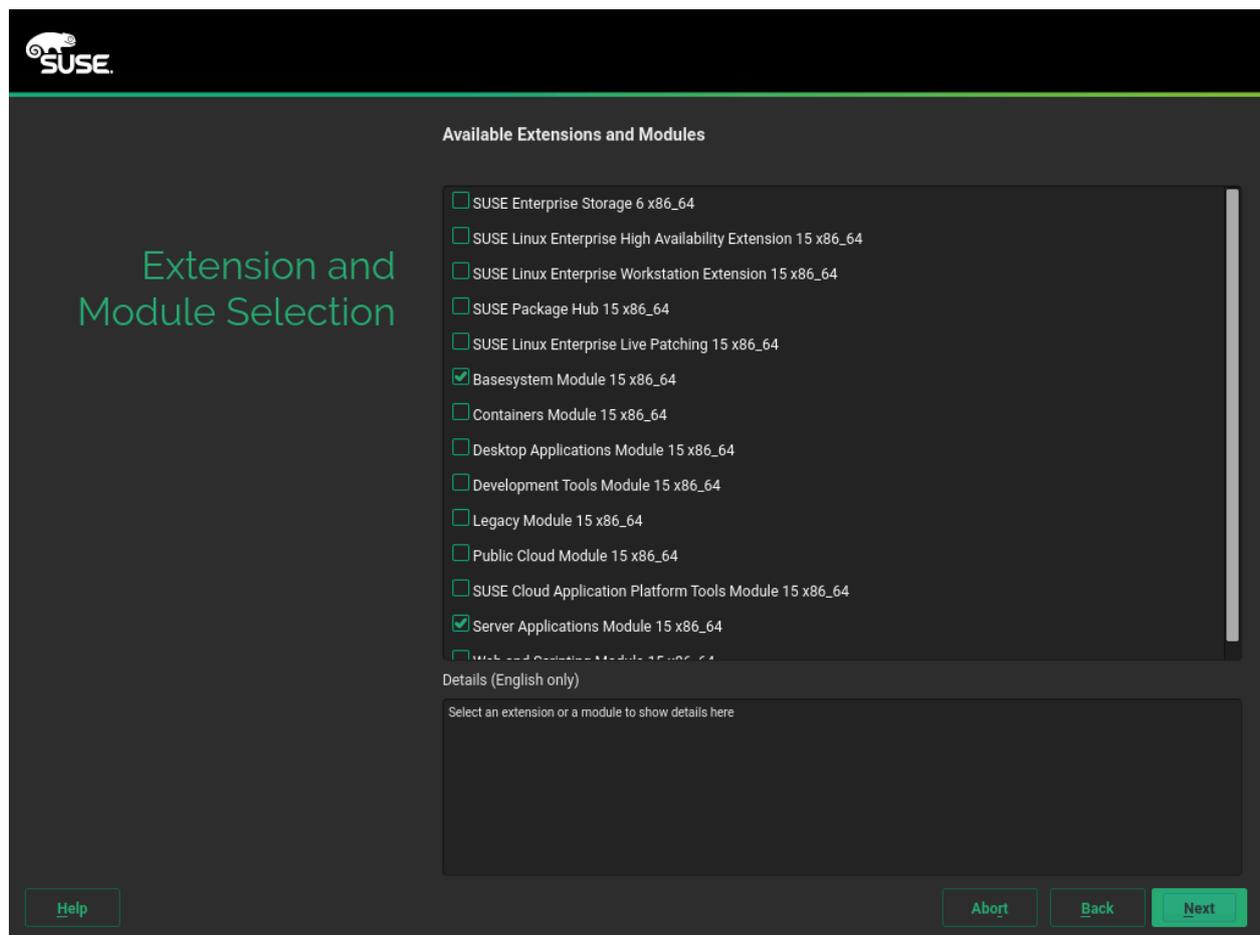
To register with the SUSE Customer Center, enter the *E-mail Address* associated with your SCC account and the *Registration Code* for SUSE Linux Enterprise Server. If your organization provides a local registration server, you may alternatively register there. Activate *Register System via local SMT Server* and either choose a URL from the drop-down box or type in an address.



Tip: Installing Product Patches at Installation Time

After SUSE Linux Enterprise Server has been successfully registered, you are asked whether to install the latest available online updates during the installation. If choosing **Yes**, the system will be installed with the most current packages without having to apply the updates after installation. Activating this option is recommended.

1.1.6 Extension and Module Selection



After the system is successfully registered, the installer lists modules and extensions that are available for SUSE Linux Enterprise Server. Modules are components which allow you to shape the product according to your needs. They are free of charge. Extensions add functionality to your product. They are offered as subscriptions and require a registration key that is liable for costs.

The availability of certain modules or extensions depends on the product you have chosen in the first step of this installation. For a description of the modules and their lifecycles, select a module to see the accompanying text. More detailed information is available in the [Modules and Extensions Quick Start](https://documentation.suse.com/sles/html/SLES-all/art-modules.html) (<https://documentation.suse.com/sles/html/SLES-all/art-modules.html>) [↗](#) and the [Release Notes](https://www.suse.com/releasenotes/x86_64/SUSE-SLES/15/#Intro.Module) (https://www.suse.com/releasenotes/x86_64/SUSE-SLES/15/#Intro.Module) [↗](#).

The selection of modules indirectly affects the scope of the installation, because it defines which software sources (repositories) are available for installation and in the running system.

The following modules and extensions are available for SUSE Linux Enterprise Server:

Basesystem Module

This module adds a basic system on top of the Unified Installer. It is required by all other modules and extensions. The scope of an installation that only contains the base system is comparable to the installation pattern *minimal system* of previous SUSE Linux Enterprise Server versions. This module is selected for installation by default and should not be de-selected.

Dependencies: None

Containers Module

Contains support and tools for containers.

Dependencies: Basesystem

Desktop Applications Module

Adds a graphical user interface and essential desktop applications to the system.

Dependencies: Basesystem

Development Tools Module

Contains compilers (including `gcc`) and libraries required for compiling and debugging applications. Replaces the former Software Development Kit (SDK).

Dependencies: Basesystem, Desktop Applications

Legacy Module

Helps you migrating applications from earlier versions of SUSE Linux Enterprise Server and other systems to SLES 15, by providing packages which are discontinued on SUSE Linux Enterprise. Packages in this module are selected based on the requirement for migration and the level of complexity of configuration.

This module is recommended when migrating from a previous product version.

Dependencies: Basesystem, Server Applications

Public Cloud Module

Contains all tools required to create images for deploying SUSE Linux Enterprise Server in cloud environments such as the Amazon Web Services (AWS), Microsoft Azure, Google Compute Platform, or the SUSE OpenStack Cloud.

Dependencies: Basesystem, Server Applications

Server Applications Module

Adds server functionality by providing network services such as DHCP server, name server, or Web server. This module is selected for installation by default; deselecting it is not recommended.

Dependencies: Basesystem

SUSE Cloud Application Platform Tools Module

Adds tools allowing you to interact with a SUSE Cloud Application Platform product.

Dependencies: Basesystem

SUSE Enterprise Storage

Adds support for distributed storage with Ceph to SUSE Linux Enterprise Server. Requires a separate license key.

Dependencies: Basesystem, Server Applications

SUSE Linux Enterprise High Availability Extension

Adds clustering support for mission critical setups to SUSE Linux Enterprise Server. This extension requires a separate license key.

Dependencies: Basesystem, Server Applications

SUSE Linux Enterprise Live Patching

Adds support for performing critical patching without having to shut down the system. This extension requires a separate license key.

Dependencies: Basesystem, Server Applications

SUSE Linux Enterprise Workstation Extension

Extends the functionality of SUSE Linux Enterprise Server with packages from SUSE Linux Enterprise Desktop, like additional desktop applications (office suite, email client, graphical editor, etc.) and libraries. It allows to combine both products to create a fully featured workstation. This extension requires a separate license key.

Dependencies: Basesystem, Desktop Applications

SUSE Package Hub

Provides access to packages for SUSE Linux Enterprise Server maintained by the openSUSE community. These packages are delivered without L3 support and do not interfere with the supportability of SUSE Linux Enterprise Server. For more information refer to <https://packagehub.suse.com/>.

Dependencies: Basesystem

Web and Scripting Module

Contains packages intended for a running Web server.

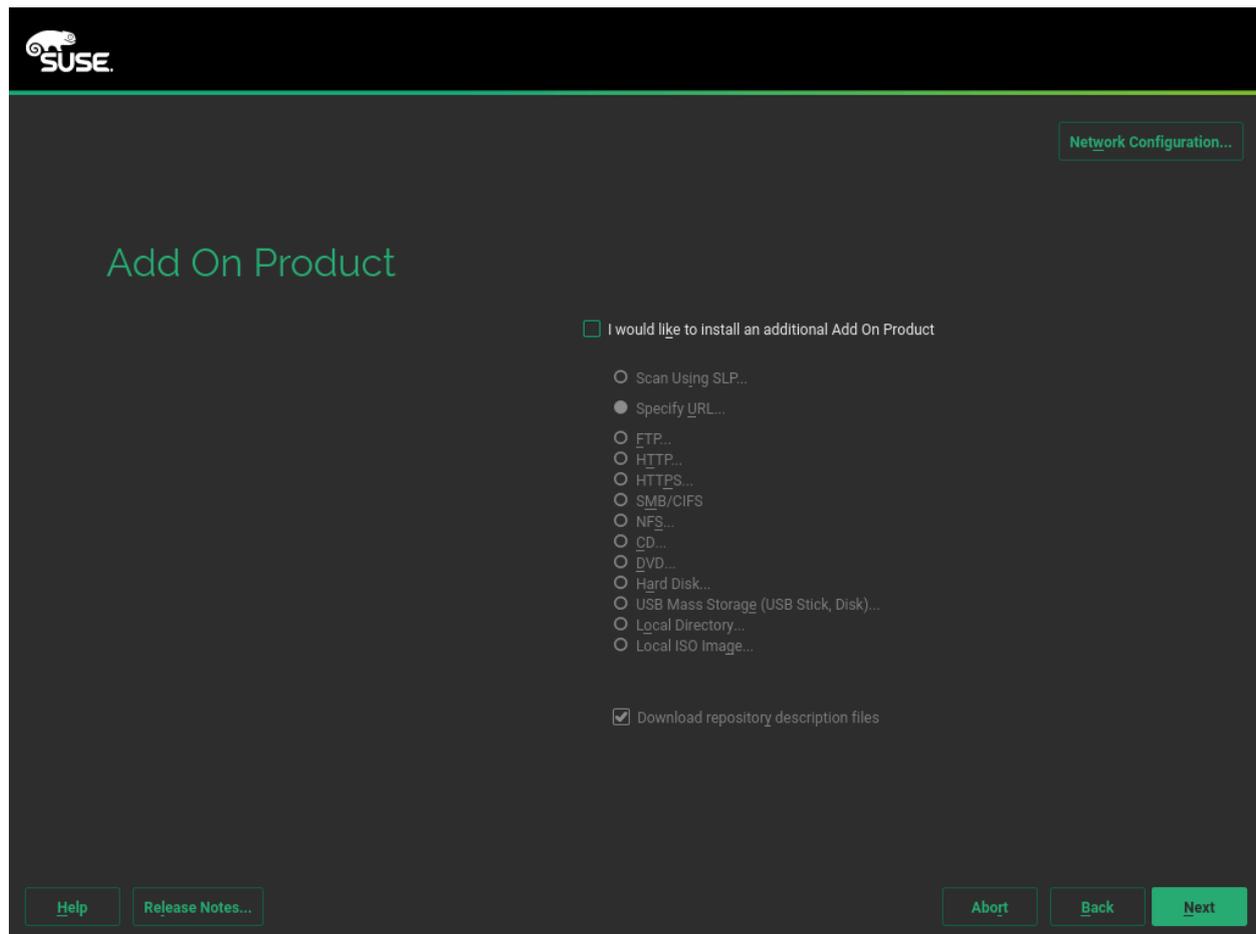
Dependencies: Basesystem, Server Applications

Some modules depend on the installation of other modules. Therefore, when selecting a module, other modules may be selected automatically to fulfill dependencies.

Depending on the product, the registration server can mark modules and extensions as recommended. Recommended modules and extensions are preselected for registration and installation. To avoid installing these recommendations, deselect them manually.

Select the modules and extension you would like to install and proceed with *Next*. In case you have chosen one or more extensions, you will be prompted to provide the respective registration codes. Depending on your choice, it may also be necessary to accept additional license agreements.

1.1.7 Add-On Product



The *Add-On Product* dialog allows you to add additional software sources (so-called “repositories”) to SUSE Linux Enterprise Server, that are not provided by the SUSE Customer Center. Such add-on products may include third-party products and drivers or additional software for your system.



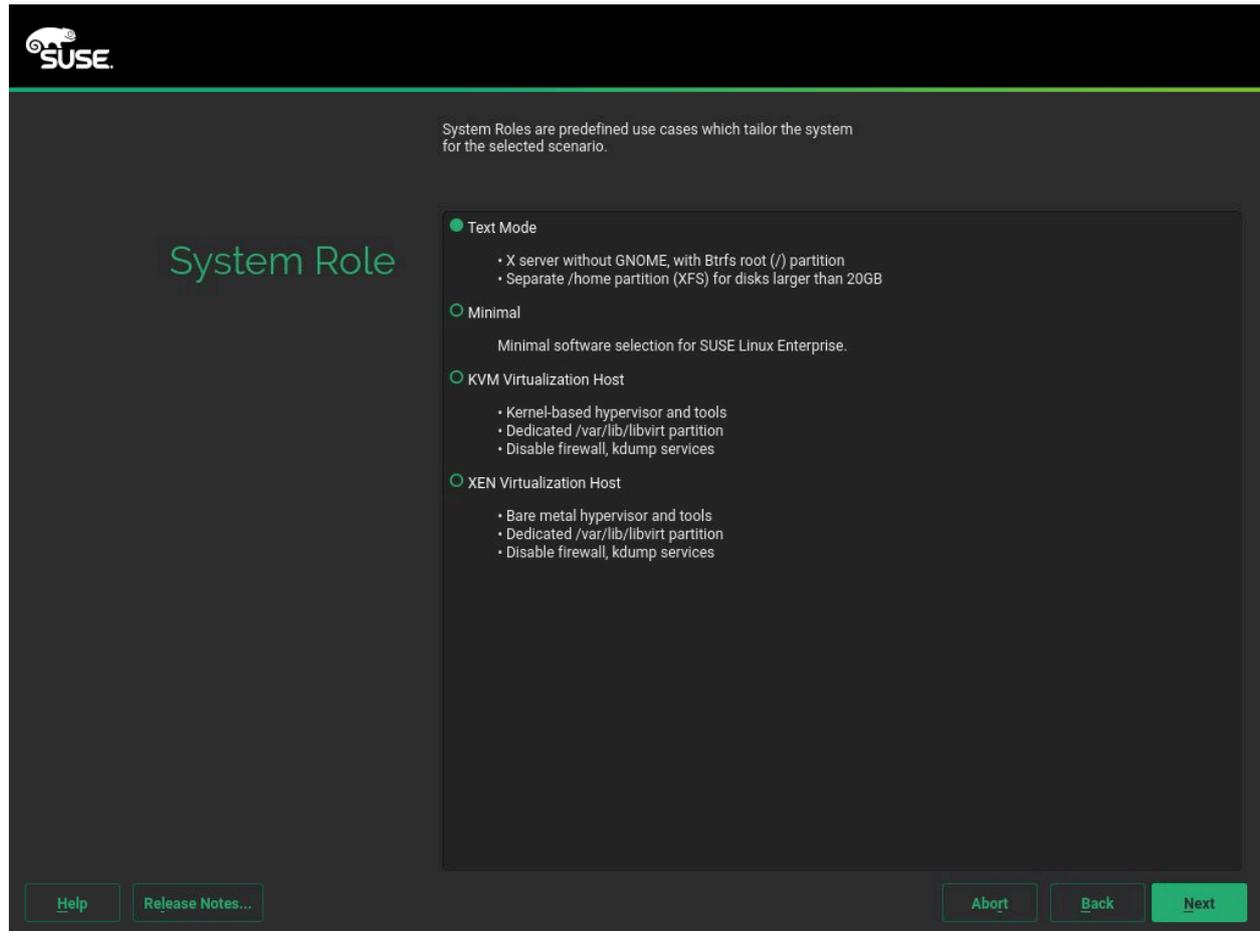
Tip: Adding Drivers During the Installation

You can also add driver update repositories via the *Add-On Product* dialog. Driver updates for SUSE Linux Enterprise are provided at <http://drivers.suse.com/>. These drivers have been created via the SUSE SolidDriver Program.

If you want to skip this step, proceed with *Next*. Otherwise activate *I would like to Install an Add-on Product*. Specify a media type, a local path, or a network resource hosting the repository and follow the on-screen instructions.

Check *Download Repository Description Files* to download the files describing the repository now. If deactivated, they will be downloaded after the installation has started. Proceed with *Next* and insert a medium if required. Depending on the product's content it may be necessary to accept additional license agreements. Proceed with *Next*. If you have chosen an add-on product requiring a registration key, you will be asked to enter it before proceeding to the next step.

1.1.8 System Role



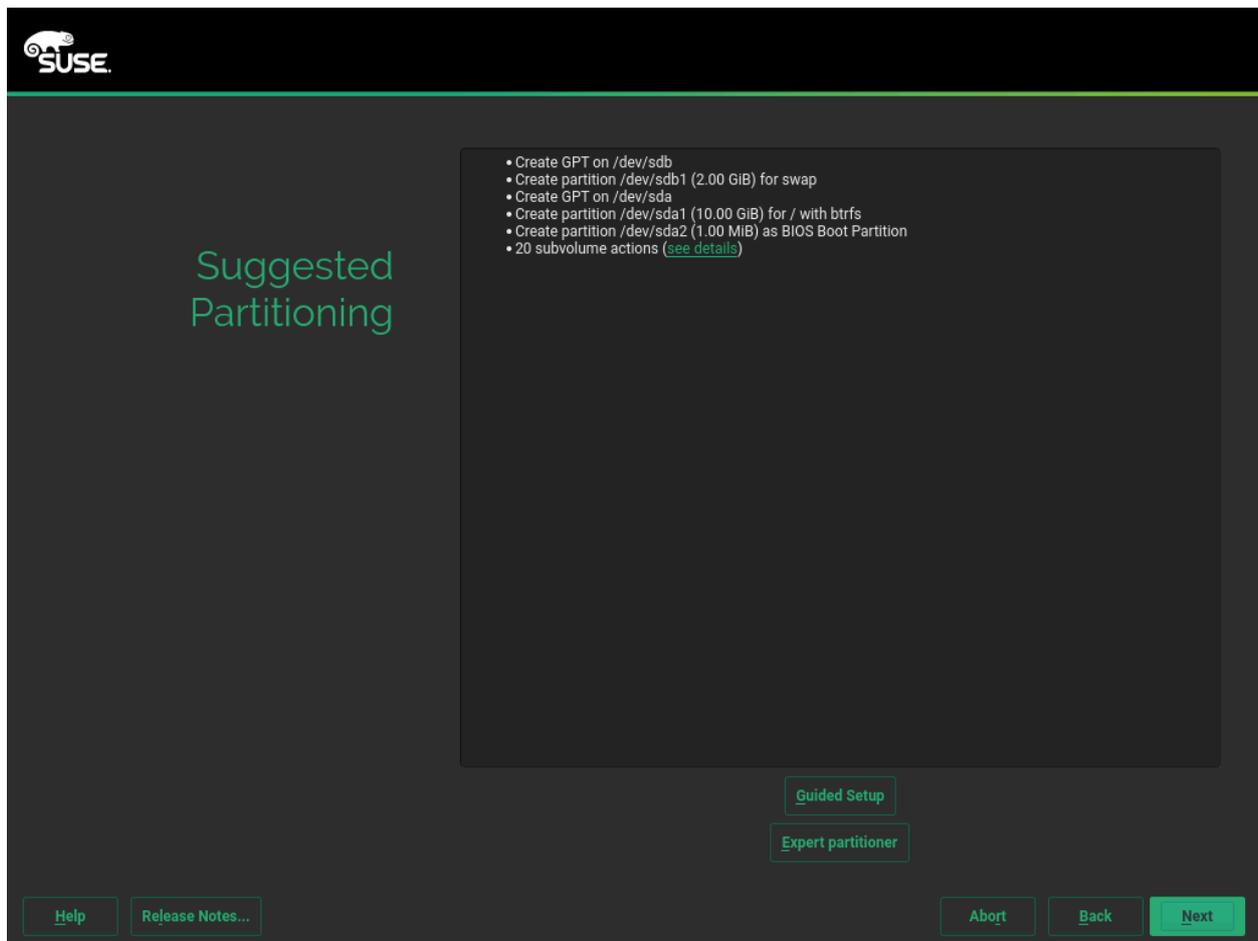
The availability of system roles depends on your selection of modules and extensions. System roles define, for example, the partitioning proposal and the set of software patterns that is going to be preselected for the installation. Refer to the description on screen to make your choice. Select a role and proceed with *Next*.



Tip: Release Notes

From this point on, the Release Notes can be viewed from any screen during the installation process by selecting *Release Notes*.

1.1.9 Suggested Partitioning



Review the partition setup proposed by the system. If necessary, change it. You have the following options:

Guided Setup

Starts a wizard which lets you refine the partitioning proposal. Options available here depend on your system setup. In case it contains more than a single hard disk, you may choose which disk(s) to use and where to place the root partition. If the disk(s) already contain partitions, decide whether to remove or resize them.

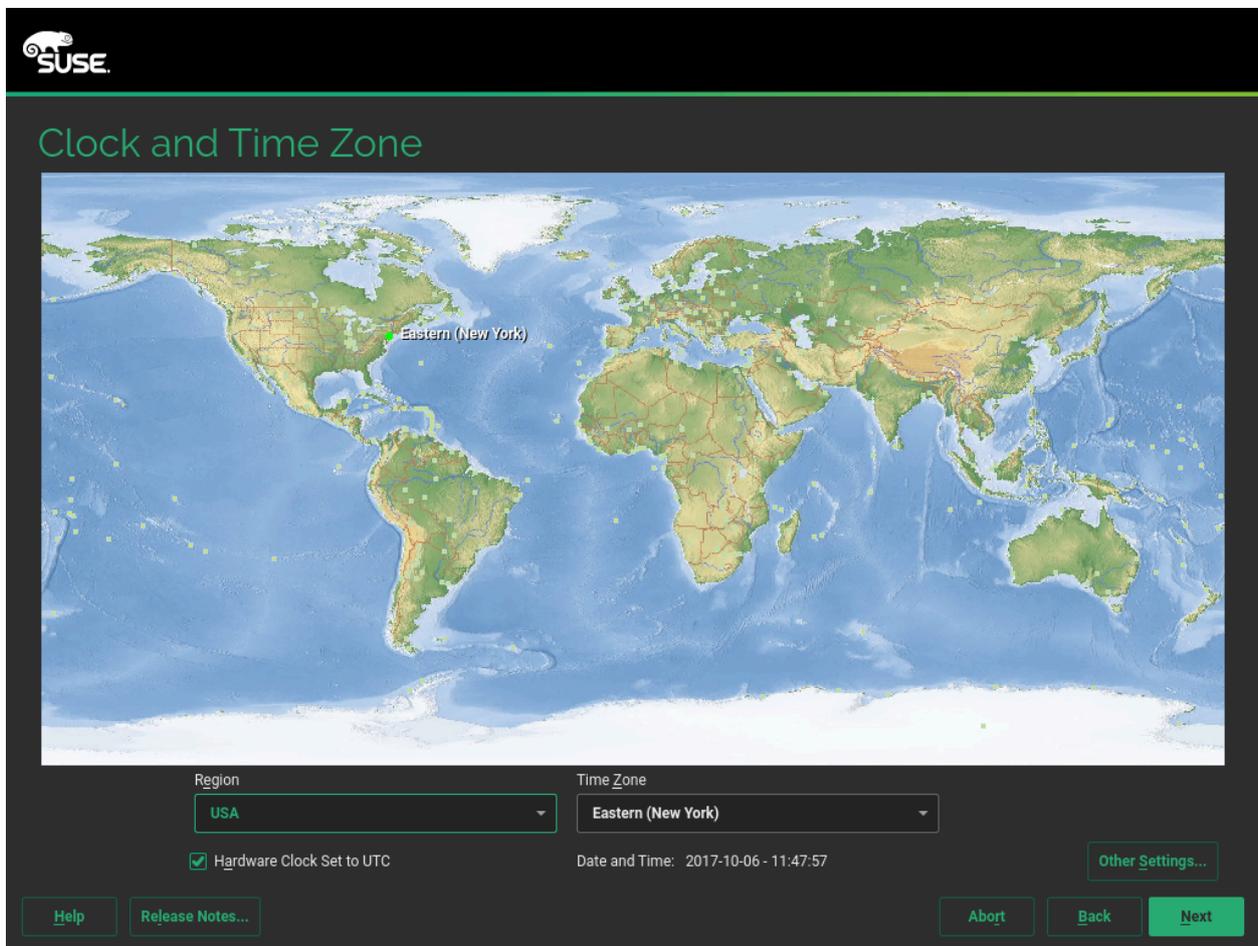
In subsequent steps you may also add LVM support and disk encryption. You can change the file system for the root partition and decide whether to have a separate home partition or not.

Expert Partitioner

Opens the *Expert Partitioner* described in Book “Deployment Guide”, Chapter 10 “*Expert Partitioner*”, Section 10.1 “*Using the Expert Partitioner*”. This gives you full control over the partitioning setup and lets you create a custom setup. This option is intended for experts.

To accept the proposed setup without any changes, choose *Next* to proceed.

1.1.10 Clock and Time Zone



Select the clock and time zone to use in your system. To manually adjust the time or to configure an NTP server for time synchronization, choose *Other Settings*. See *Book "Deployment Guide", Chapter 8 "Installation Steps", Section 8.12 "Clock and Time Zone"* for detailed information. Proceed with *Next*.

1.1.11 Local User

The screenshot shows the 'Local Users' configuration window. The 'Create New User' option is selected. The form includes fields for 'User's Full Name', 'Username', 'Password', and 'Confirm Password'. There are also checkboxes for 'Use this password for system administrator' and 'Automatic Login'. Below the 'Import User Data from a Previous Installation' option, there is a 'Choose Users' button and the text 'No users selected'. At the bottom of the window, there are buttons for 'Help', 'Release Notes...', 'Abort', 'Back', and 'Next'.

To create a local user, type the first and last name in the *User's Full Name* field, the login name in the *Username* field, and the password in the *Password* field.

The password should be at least eight characters long and should contain both uppercase and lowercase letters and numbers. The maximum length for passwords is 72 characters, and passwords are case-sensitive.

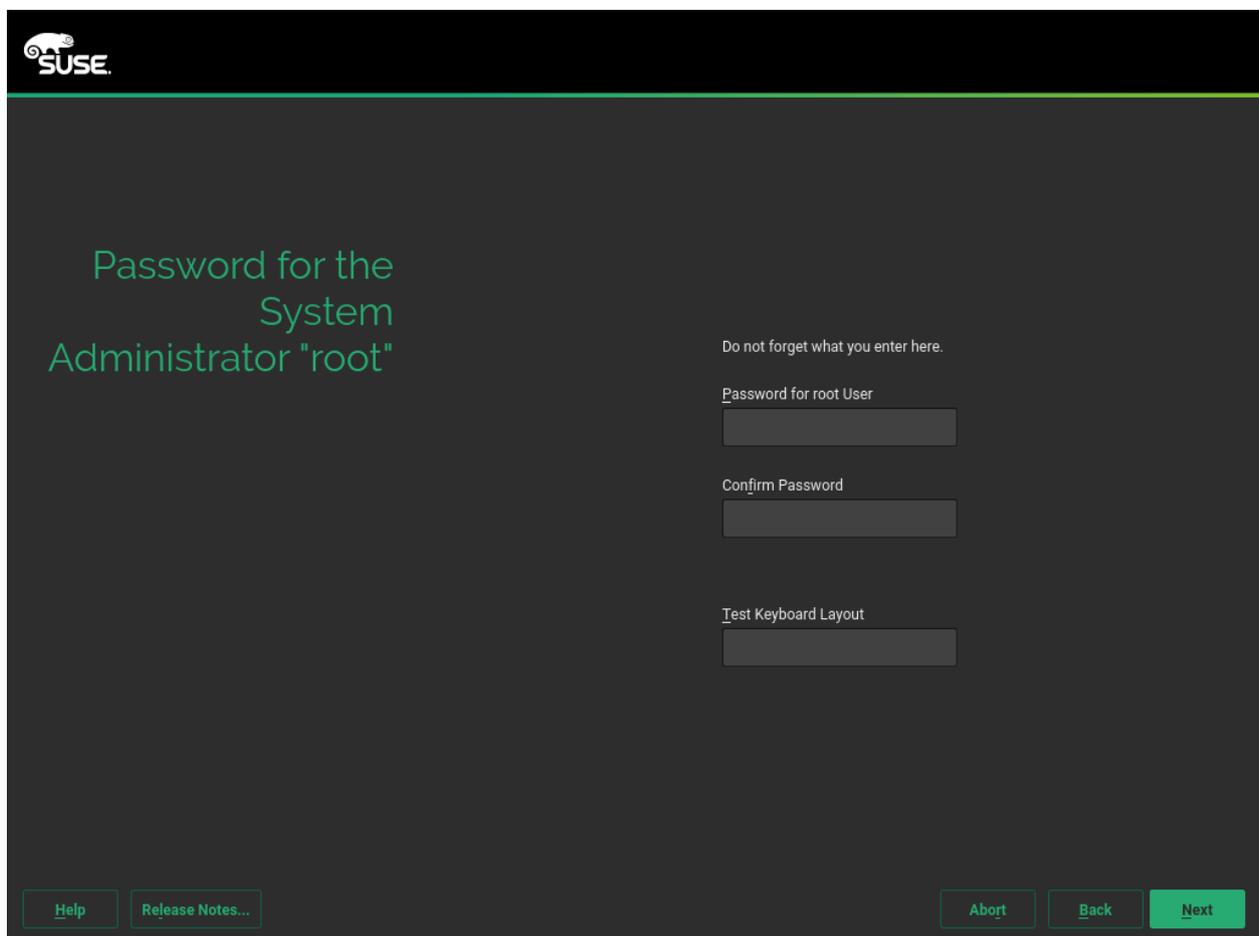
For security reasons it is also strongly recommended *not* to enable the *Automatic Login*. You should also *not Use this Password for the System Administrator* but rather provide a separate root password in the next installation step.

If you install on a system where a previous Linux installation was found, you may *Import User Data from a Previous Installation*. Click *Choose User* for a list of available user accounts. Select one or more user.

In an environment where users are centrally managed (for example by NIS or LDAP) you may want to skip the creation of local users. Select *Skip User Creation* in this case.

Proceed with *Next*.

1.1.12 Password for the System Administrator "root"



The screenshot shows a dark-themed installation window with the SUSE logo in the top left corner. The main heading is "Password for the System Administrator 'root'" in a light green font. Below the heading, there is a warning: "Do not forget what you enter here." followed by three input fields: "Password for root User", "Confirm Password", and "Test Keyboard Layout". At the bottom of the window, there are four buttons: "Help", "Release Notes...", "Abort", and "Next". The "Next" button is highlighted in green.

Type a password for the system administrator account (called the root user).

You should never forget the `root` password! After you entered it here, the password cannot be retrieved. See *Book "Deployment Guide", Chapter 8 "Installation Steps", Section 8.14 "Password for the System Administrator"* for more information. Proceed with *Next*.



Tip: Passwords and Keyboard Layout

It is recommended to only use US ASCII characters. In case of a system error or when you need to start your system in rescue mode, the keyboard may not be localized.

1.1.13 Installation Settings

Click a headline to make changes.

Installation Settings

Software

- Product: SUSE Linux Enterprise Server 15
- Product: Basesystem Module
- Product: Scripting Languages Module
- Product: Desktop Applications Module
- Product: Server Applications Module
- Patterns:
 - + Base System
 - + Minimal System (Appliances)
 - + GNOME Desktop Environment
 - + X Window System
- Size of Packages to Install: 1.9 GiB
- Downloading from Remote Repositories: 395.6 MiB

Booting

- Boot Loader Type: GRUB2
- Enable Trusted Boot: no
- Status Location: /dev/sda1 ("/")
- Change Location:
 - Do not install bootcode into MBR ([install](#))
 - Install bootcode into "/" partition ([do not install](#))
- Order of Hard Disks: /dev/sda, /dev/sdb

Firewall and SSH

- Firewall will be disabled ([enable](#))
- SSH service will be disabled ([enable](#))

Kdump

- Kdump status: disabled

Default systemd target

- Graphical mode

System

- [System and Hardware Settings](#)

Buttons: Help, Release Notes..., Abort, Back, Install

Use the *Installation Settings* screen to review and—if necessary—change several proposed installation settings. The current configuration is listed for each setting. To change it, click the headline. Some settings, such as firewall or SSH can directly be changed by clicking the respective links.



Tip: Remote Access

Changes you can make here, can also be made later at any time from the installed system. However, if you need remote access directly after the installation, you should check the *Firewall and SSH* settings.

Software

The scope of the installation is defined by the modules and extensions you have chosen for this installation. However, depending on your selection, not all packages available in a module are selected for installation.

Clicking *Software* opens the *Software Selection and System Tasks* screen, where you can change the software selection by selecting or deselecting patterns. Each pattern contains several software packages needed for specific functions (for example, *KVM Host Server*). For a more detailed selection based on software packages to install, select *Details* to switch to the *YaST Software Manager*. See *Book "Deployment Guide", Chapter 20 "Installing or Removing Software"* for more information.

Booting

This section shows the boot loader configuration. Changing the defaults is only recommended if really needed. Refer to *Book "Administration Guide", Chapter 14 "The Boot Loader GRUB 2"* for details.

Firewall and SSH

By default, the Firewall is enabled with all network interfaces configured for the public zone. See *Book "Security and Hardening Guide", Chapter 23 "Masquerading and Firewalls", Section 23.4 "firewalld"* for configuration details.

The SSH service is enabled by default, its port (22) is open. Click *enable and open* to toggle these settings. Note that if SSH is disabled, logging in from remote will not be possible.

Kdump

Kdump saves the memory image ("core dump") to the file system in case the kernel crashes. This enables you to find the cause of the crash by debugging the dump file. Kdump is preconfigured and enabled by default. See *Book "System Analysis and Tuning Guide", Chapter 17 "Kexec and Kdump", Section 17.7 "Basic Kdump Configuration"* for more information.

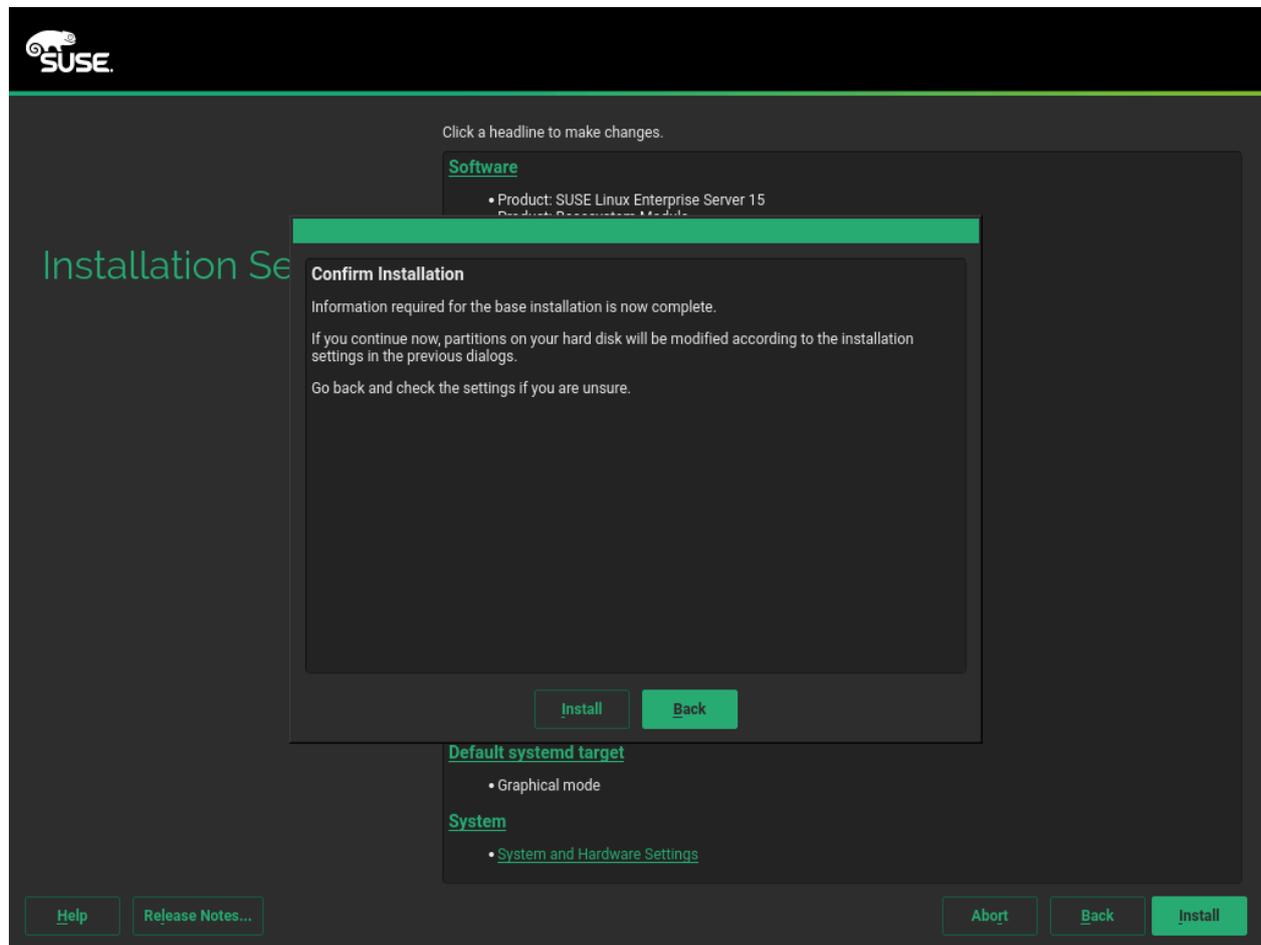
Default Systemd Target

In case you have installed the desktop applications module, the system boots into the *graphical* target, with network, multiuser and display manager support. Switch to *multi-user* if you do not need to log in via display manager.

System

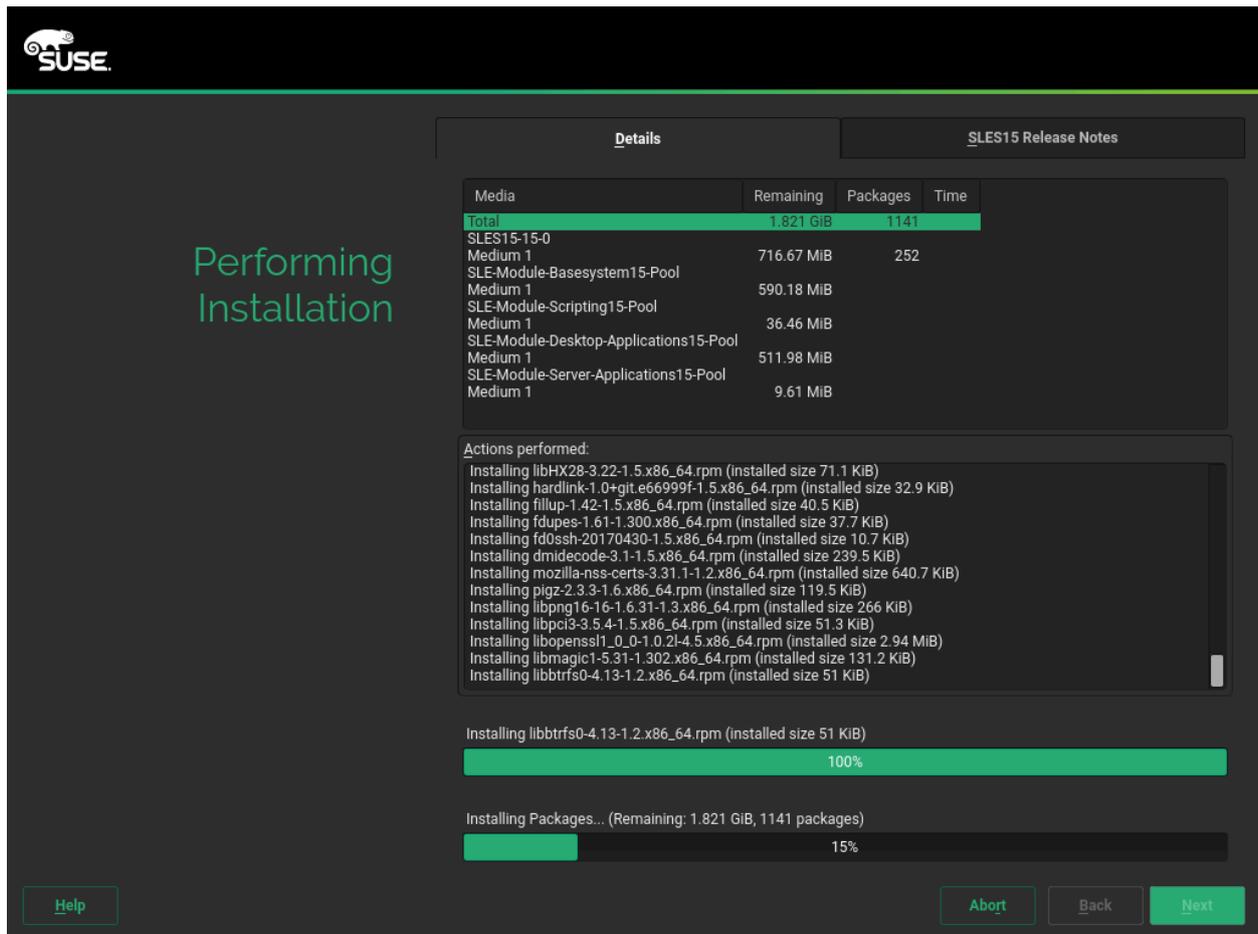
View detailed hardware information by clicking *System*. In the resulting screen you can also change *Kernel Settings*—see Book “Deployment Guide”, Chapter 8 “Installation Steps”, Section 8.15.8 “System” for more information.

1.1.14 Start the Installation



After you have finalized the system configuration on the *Installation Settings* screen, click *Install*. Depending on your software selection you may need to agree to license agreements before the installation confirmation screen pops up. Up to this point no changes have been made to your system. After you click *Install* a second time, the installation process starts.

1.1.15 The Installation Process



During the installation, the progress is shown in detail on the *Details* tab. The *SUSE Linux Enterprise Server Release Notes* tab shows important information; reading them is recommended.

After the installation routine has finished, the computer is rebooted into the installed system. Log in and start YaST to fine-tune the system. If you are not using a graphical desktop or are working from remote, refer to *Book "Administration Guide", Chapter 5 "YaST in Text Mode"* for information on using YaST from a terminal.

1.2 Installing without Registration

If you perform an installation without connecting to a registration server, you cannot register your system during the installation. Therefore you will not be able to receive the repository configuration for modules and extensions from the registration server. To enable a regular installation, SUSE offers a second installation medium, the SLE-15-SP0-Full-ARCH-GM-media1.iso image.



Note: Registering SUSE Linux Enterprise Server

Your system and extensions need to be registered in order to retrieve updates and to be eligible for support. If you do not register during the installation, you can do so at any time later from the running system. To do so, run *YaST* > *Product Registration*.

To perform the installation without registration, make sure the contents of the `SLE-15-SP0-Full-ARCH-GM-media1.iso` image can be accessed during the installation. This can be achieved by copying it to a local hard disk or a removable flash disk or by making it available in the local network. Choose a method that is supported by your hardware.



Tip: Copying Data from the SLE-15-SP0-Full-ARCH-GM-media1.iso Image to a Removable Flash Disk

Use the following command to copy the contents of the installation image to a removable flash disk.

```
> sudo dd if=IMAGE of=FLASH_DISK bs=4M && sync
```

`IMAGE` needs to be replaced with the path to the `SLE-15-SP0-Online-ARCH-GM-media1.iso` or `SLE-15-SP0-Full-ARCH-GM-media1.iso` image file. `FLASH_DISK` needs to be replaced with the flash device. To identify the device, insert it and run:

```
# grep -Ff <(hwinfo --disk --short) <(hwinfo --usb --short)
disk:
  /dev/sdc          General USB Flash Disk
```

Make sure the size of the device is sufficient for the desired image. You can check the size of the device with:

```
# fdisk -l /dev/sdc | grep -e "^/dev"
/dev/sdc1 *      2048 31490047 31488000  15G 83 Linux
```

In this example, the device has a capacity of 15 GB. The command to use for the `SLE-15-SP0-Full-ARCH-GM-media1.iso` would be:

```
dd if=SLE-15-SP0-Full-ARCH-GM-media1.iso of=/dev/sdc bs=4M && sync
```

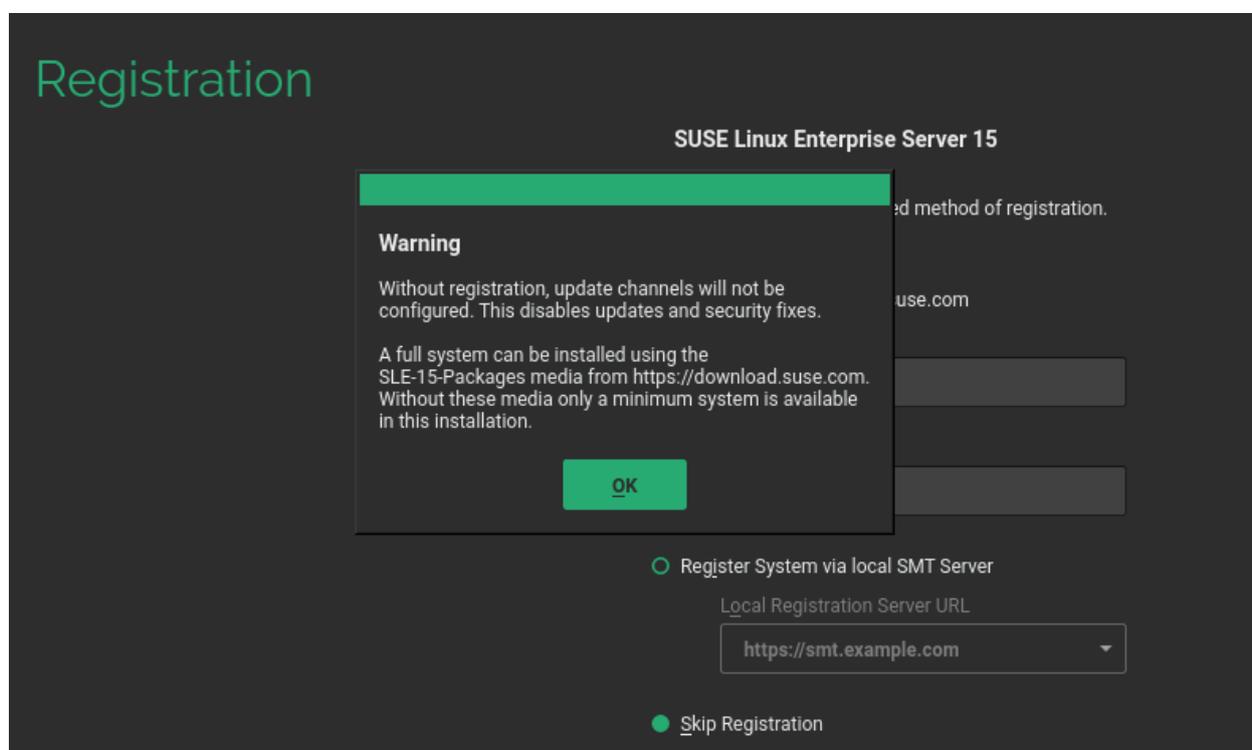
The device must not be mounted when running the `dd` command. Note that all data on the partition will be erased!

1.2.1 Starting the Installation without Registration

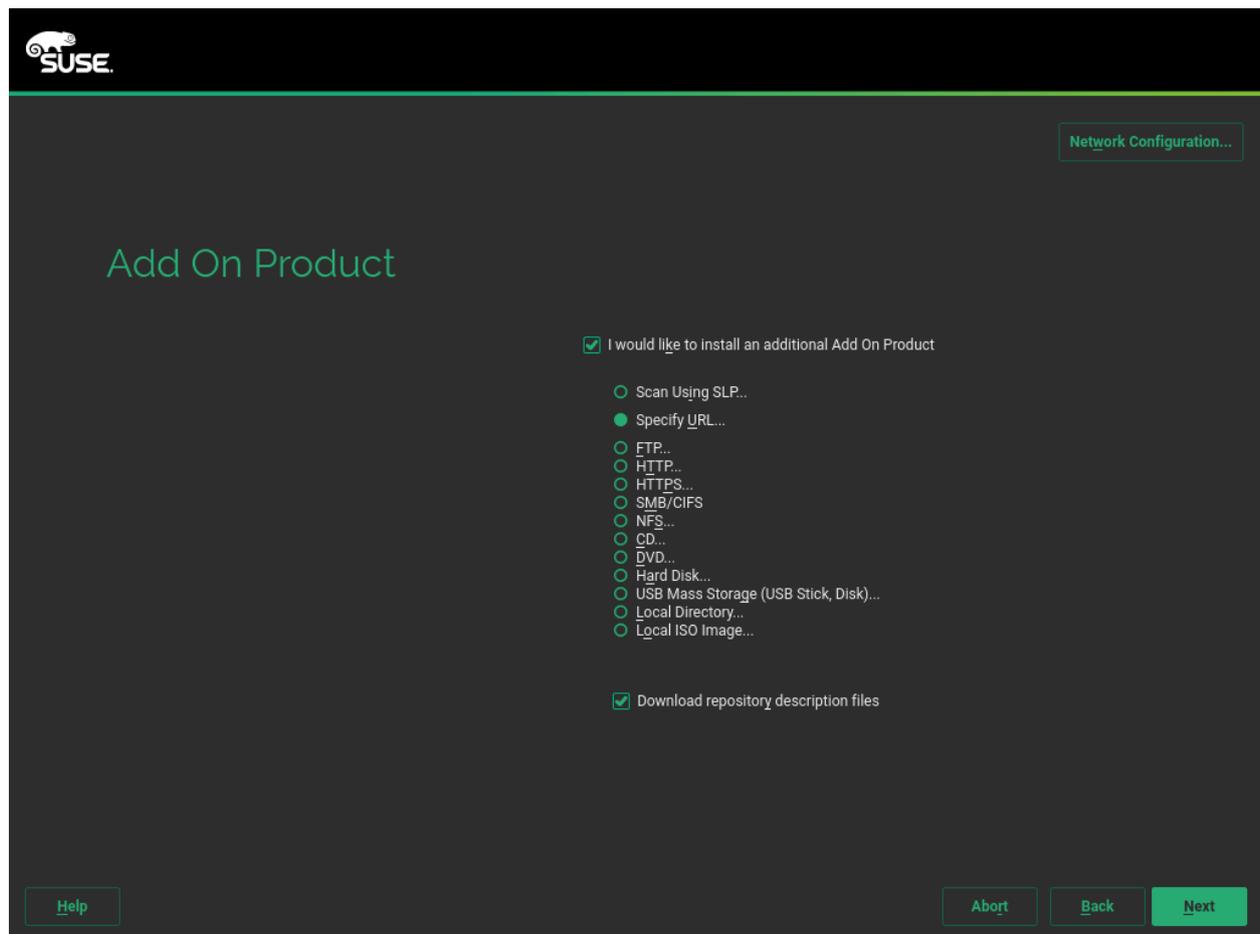
The installation follows the same workflow as outlined in [Section 1.1, “The Default Installation Procedure”](#), only the steps for registering the system and adding modules/extensions differ. To start the installation, perform the steps [Section 1.1.1, “Language, Keyboard, and Product Selection”](#) to [Section 1.1.4, “IBM Z: Disk Activation”](#) from [Section 1.1, “The Default Installation Procedure”](#).

1.2.2 Skipping Registration

On the *Registration* screen activate *Skip Registration*. Accept the warning with *OK* and proceed with *Next*.

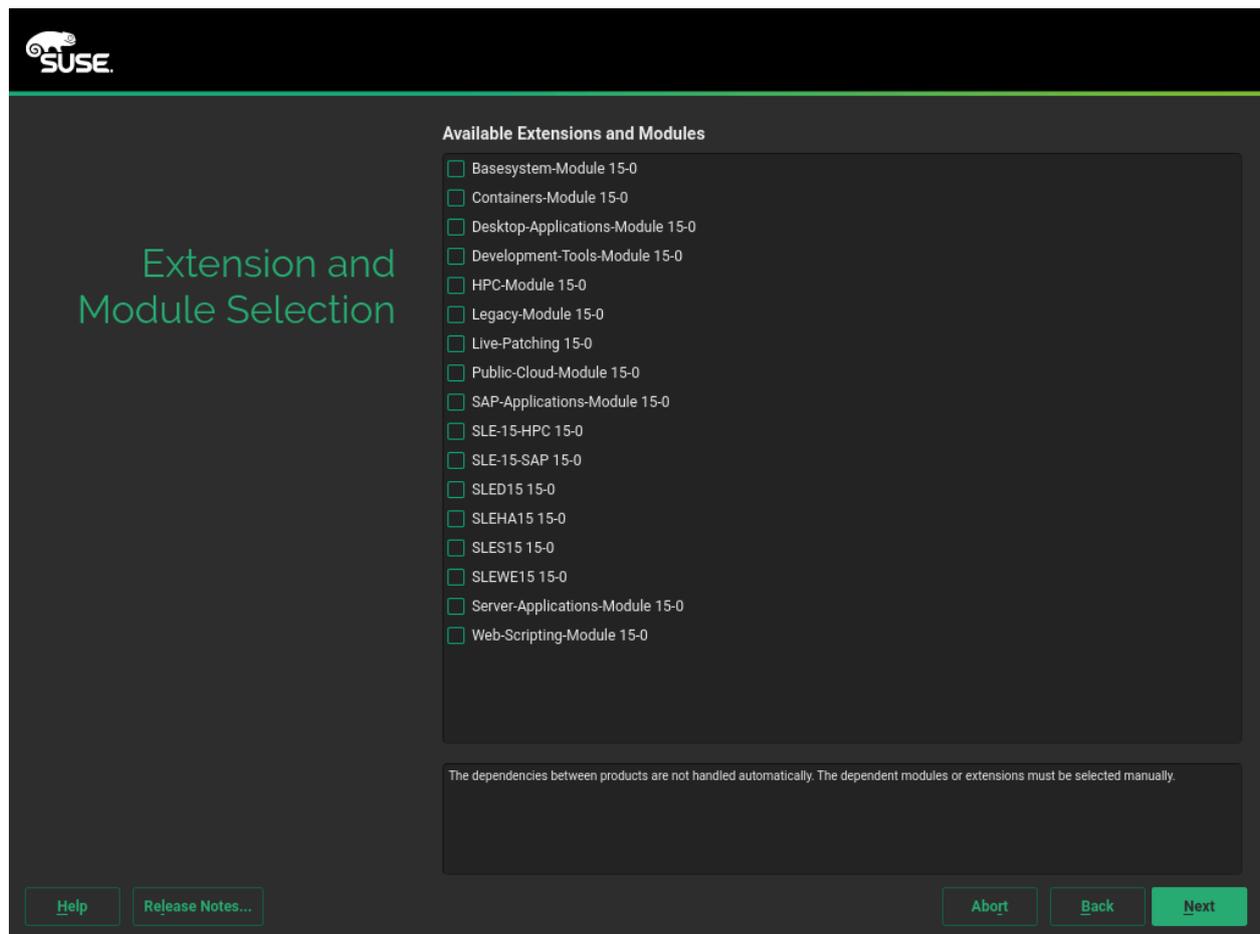


1.2.3 Accessing the SLE-15-SP0-Full-ARCH-GM-media1.iso Image



On the *Add On Product* dialog, activate *I would like to install an additional Add On Product* and specify the source for the SLE-15-SP0-Full-ARCH-GM-media1.iso image. Check *Download repository description files* to download the files describing the repository now. If deactivated, they will be downloaded after the installation starts. Proceed with *Next*. If you chose *DVD* as the data source, you will be prompted to insert the media.

1.2.4 Selecting Extensions and Modules



On the *Extension and Module Selection* dialog you need to select a product, at least one module, and optionally, one or more extensions.

The SLE-15-SP0-Full-ARCH-GM-media1.iso images contain extensions and modules for all SUSE Linux Enterprise products. Make sure to only select modules and extensions listed below, otherwise you will end up with a system that may fail to install and is not covered by SUSE support.

Product

Selecting a product is mandatory. Choose *SLES15 15-0*.

Modules

Modules extend the functionality of SUSE Linux Enterprise Server and are free of charge. Installing the *Basesystem-Module 15-0* is required. It is also recommended to install the *Server-Applications-Module 15-0*.

Note that most modules depend on other modules. These dependencies cannot be resolved automatically here. Make sure to manually solve the dependencies, otherwise the installation will fail later on. Refer to the following list for details.

Basesystem-Module 15-0. This module adds a basic system on top of the Unified Installer. It is required by all other modules and extensions. The scope of an installation that only contains the base system is comparable to the installation pattern *minimal system* of previous SUSE Linux Enterprise Server versions. *Dependencies:* None

Containers-Module 15-0. Contains support and tools for containers. *Dependencies:* Basesystem

Desktop-Applications-Module 15-0. Adds a graphical user interface and essential desktop applications to the system. *Dependencies:* Basesystem

Development-Tools-Module 15-0. Contains compilers (including `gcc`) and libraries required for compiling and debugging applications.

Legacy-Module 15-0. Contains packages that were available in previous versions of SUSE Linux Enterprise Server, but have been discontinued in SLES 15. This module is recommended when migrating from a previous SLES version. *Dependencies:* Basesystem, Server Applications

Public-Cloud-Module 15-0. Contains all tools required to create images for deploying SUSE Linux Enterprise Server in cloud environments such as the Amazon Web Services (AWS), Microsoft Azure, Google Compute Platform, or the SUSE OpenStack Cloud. *Dependencies:* Basesystem, Server Applications

Server-Applications-Module 15-0. Adds server functionality by providing network services such as DHCP server, name server, or Web server. *Dependencies:* Basesystem

Web-Scripting-Module 15-0. Contains packages intended for a running Web server. *Dependencies:* Basesystem, Server Applications

Extensions

Choosing an extension is optional. Extensions add further core functionality to SUSE Linux Enterprise Server and require a registration code which is liable for costs.

Note that extensions depend on modules. These dependencies cannot be resolved automatically here. Make sure to manually solve the dependencies, otherwise the installation will fail later on. Refer to the following list for details.

SUSE Linux Enterprise High Availability Extension (*SLEHA15 15-0*). Adds clustering support for mission critical setups to SUSE Linux Enterprise Server. Choose *SLEHA15 15-0* to install it. *Dependencies:* Basesystem, Server Applications

SUSE Linux Enterprise Workstation Extension (*SLEWE15 15-0*). Extends the functionality of SUSE Linux Enterprise Server with packages from SUSE Linux Enterprise Desktop, like additional desktop applications (office suite, email client, graphical editor, etc.) and libraries. It allows to combine both products to create a fully featured workstation. Choose *SLEWE15 15-0* to install it. *Dependencies:* Basesystem, Desktop Applications



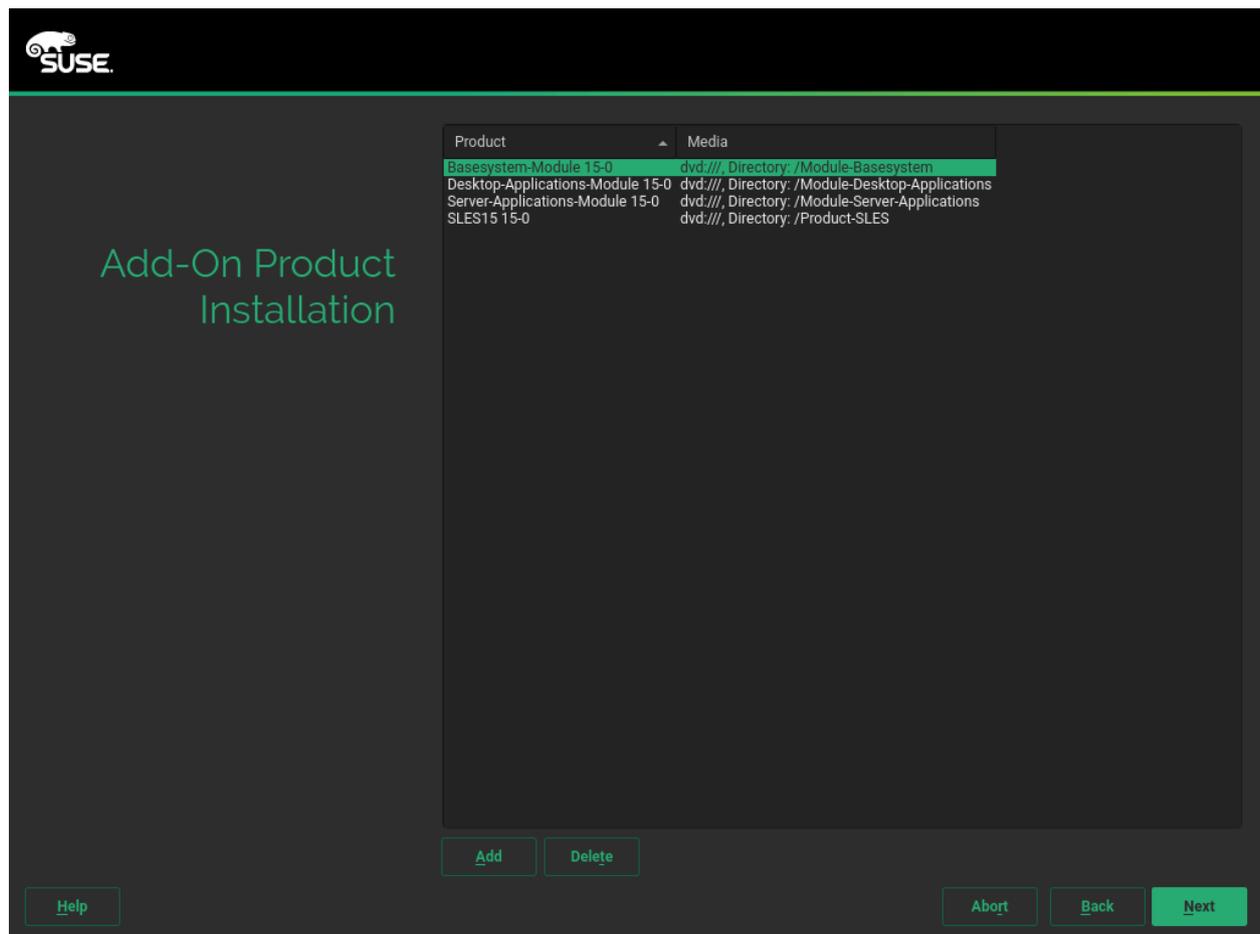
Warning: Forbidden Selections

Do *not* install any of the following selections on SUSE Linux Enterprise Server, otherwise you will end up with a system that may fail to install and is not covered by SUSE support.

- *HPC-Module 15-0*
- *SAP-Applications-Module 15-0*
- *SLE-15-HPC 15-0*
- *SLE-15-SAP 15-0*
- *SLED15 15-0*

When you have finished selecting modules and extensions, proceed with *Next*.

1.2.5 Confirming the Extensions and Module Selection



All modules selected for installation are listed on the *Add-On Product Installation* dialog. To change the list, use the *Add* or *Delete* options. Using *Add* you may optionally add other add-on products. Proceed with the installation with *Next*.

1.2.6 Finalizing the Installation

From this point on, the installation follows the same path as the default installation. Proceed with the step > [Section 1.1.8, “System Role”](#) from [Section 1.1, “The Default Installation Procedure”](#).

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