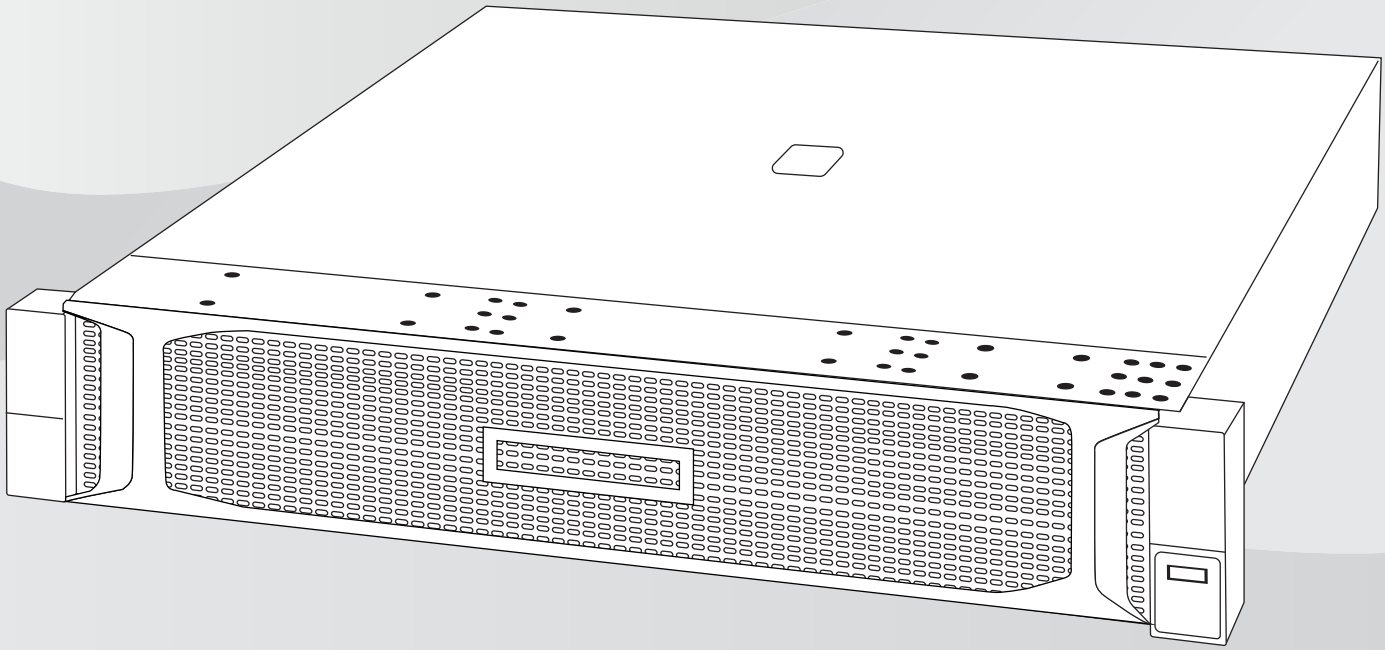
DL380 Gen 10 AI Server

MHW-S380RA-AI



en Quick installation guide

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1 System overview

The DL380 Gen10 AI Server comes fully equipped with SUSE Linux Enterprise Server and allows for the usage of the Person identification feature in BVMS. To use the Server with BVMS, first you have to do the initial server configuration and installation of required NVIDIA drivers and tracking and recognition service packages.

Notice!
The operating system includes the latest security patches available at the time the software image was created. We recommend that you regularly install the latest security patches using the online update function.

2 Initial installation and configuration

This chapter describes the initial server configuration and the installation of NVIDIA drivers and tracking and recognition service (TRS) dependencies on the DL380 AI Server.

Prerequisites

– Before starting the configuration, make sure that the DL380 Gen 10 AI Server is installed according to the HPE instructions.
– To install the NVIDIA drivers and TRS packages, you need an internet connection.

Procedure

To perform the initial configuration and installation, you have to do following steps:

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Note: For information on how to add the DL380 Gen 10 AI Server to BVMS (BVMS version 10.0 or later), see the BVMS Configuration manual. For detailed information, see section Person Identification Settings Page in the manual.

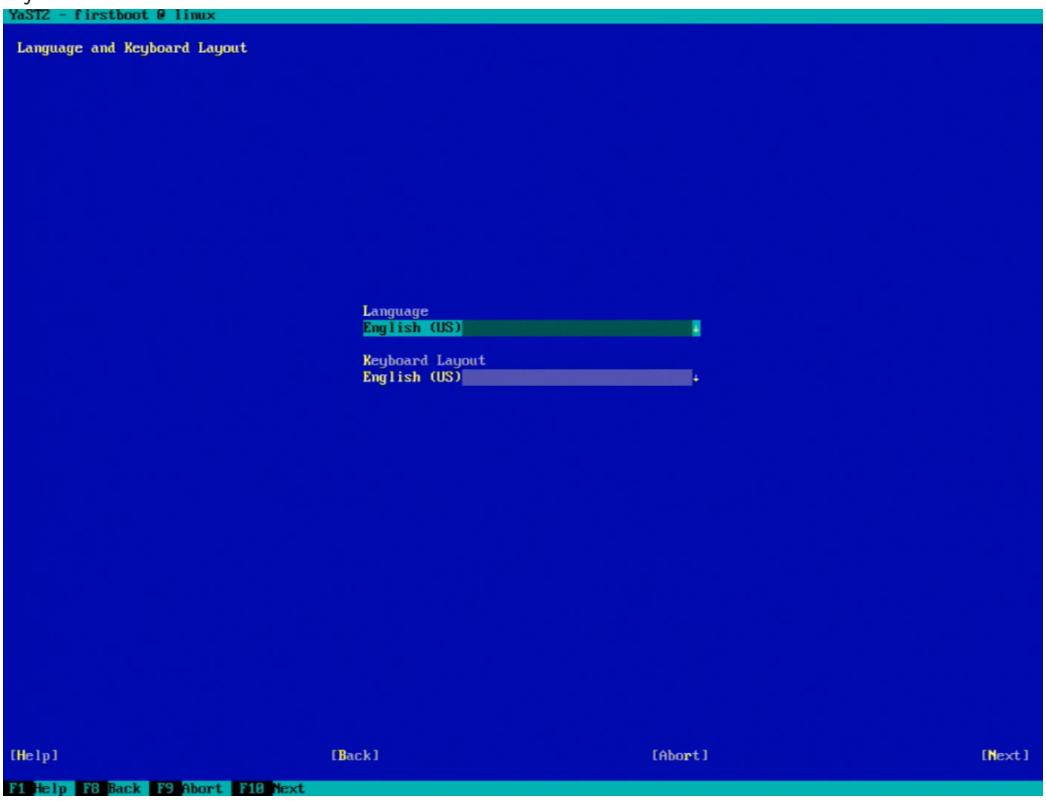
2.1 First start and initialization

When you start the server for the first time, the **YaST2** Installation Wizard is displayed.
Use the respective functional keys to navigate through the Wizard, for example:

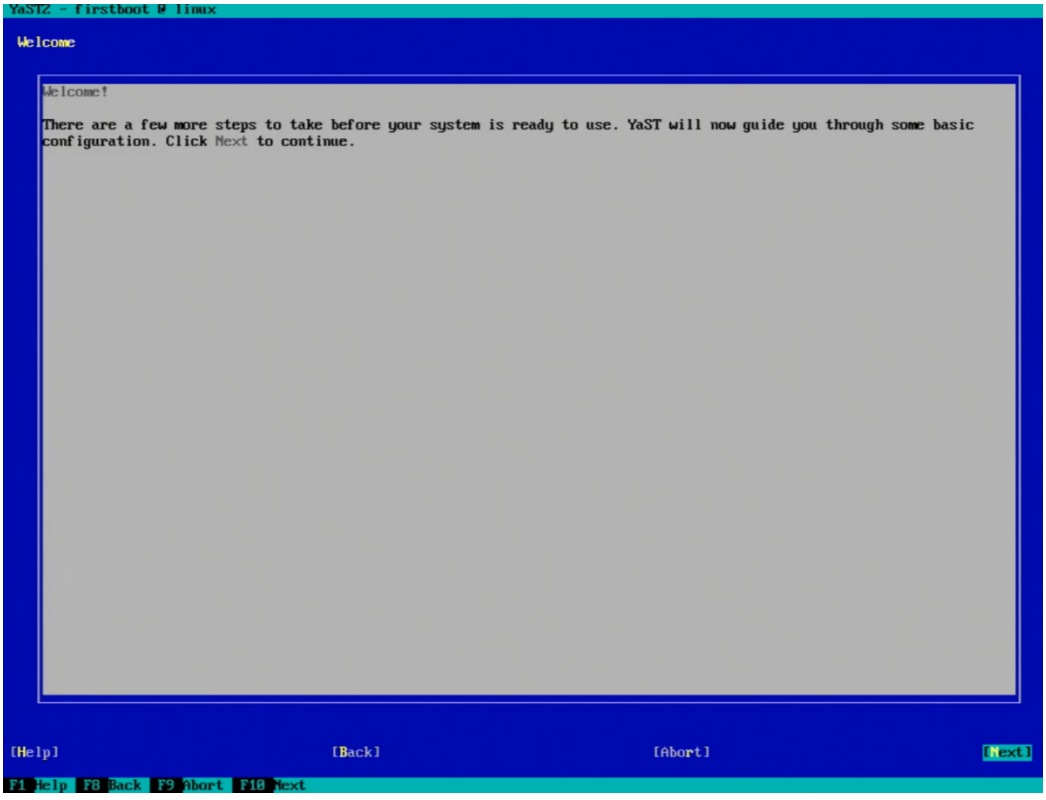
Key	Function
F1	Help
F8	Back
F9	Abort/Cancel
F10	Next/OK

To configure the server:

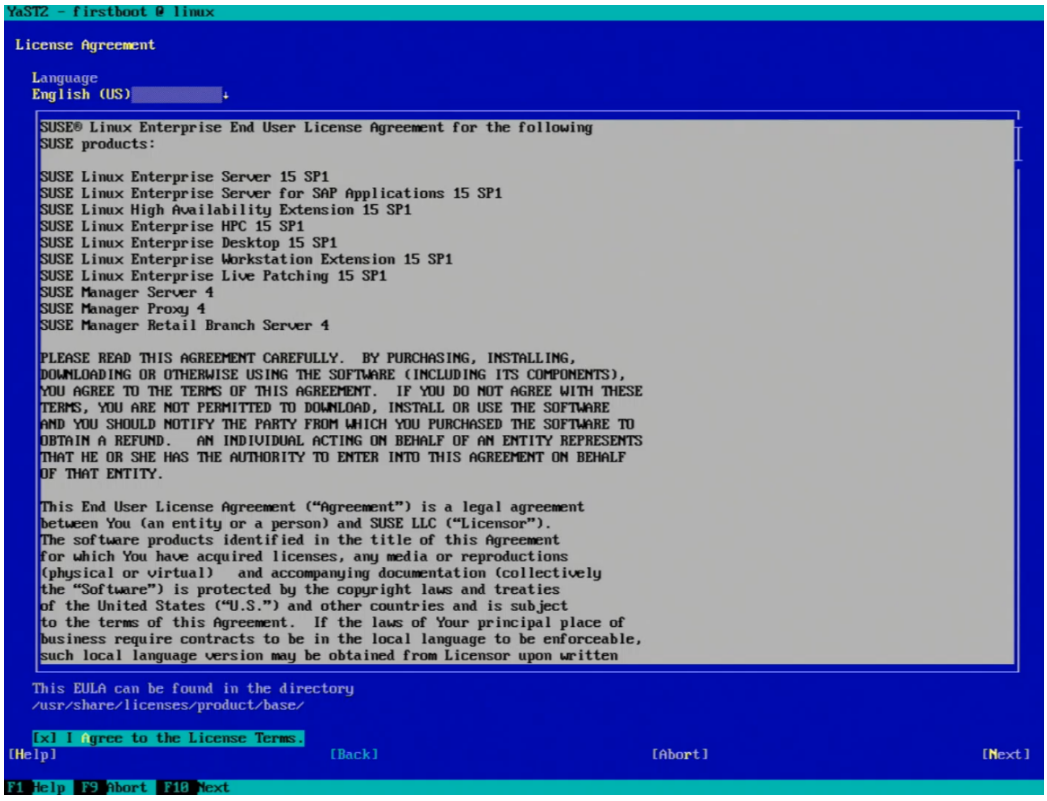
1. In the **Language and Keyboard Layout** dialog box, select the language and keyboard layout from the list. Then Press **F10** to continue.



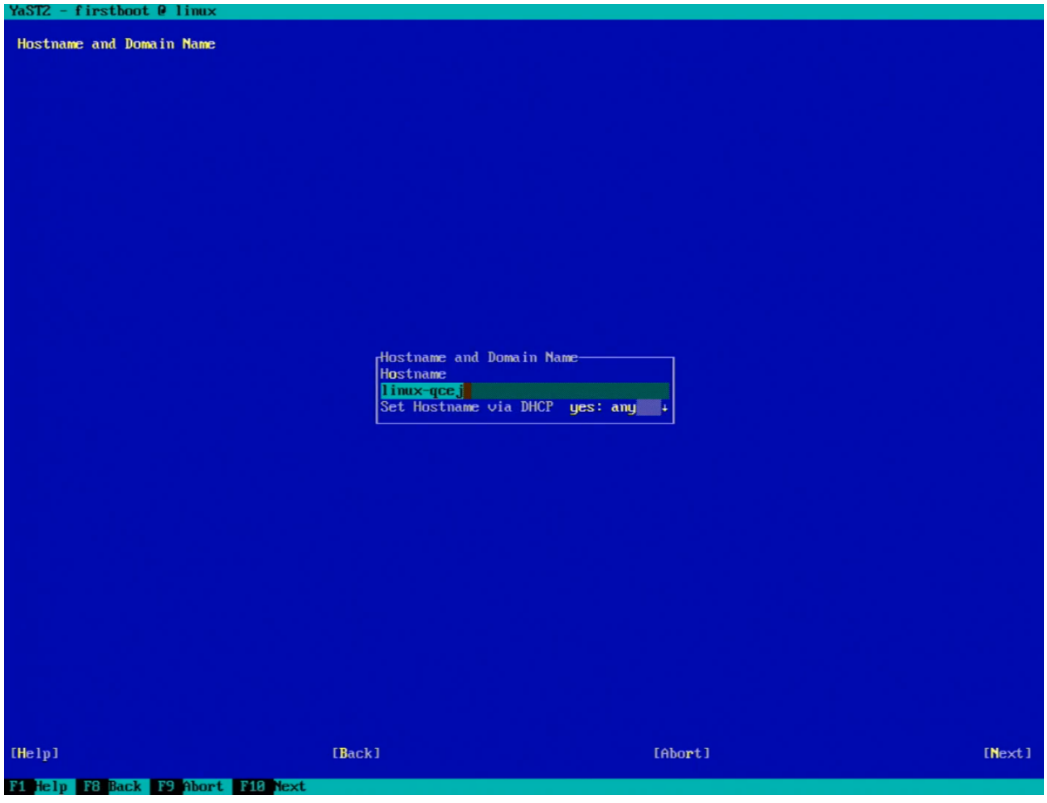
2. In the **Welcome** dialog box, read the information. Then press **F10** to continue.



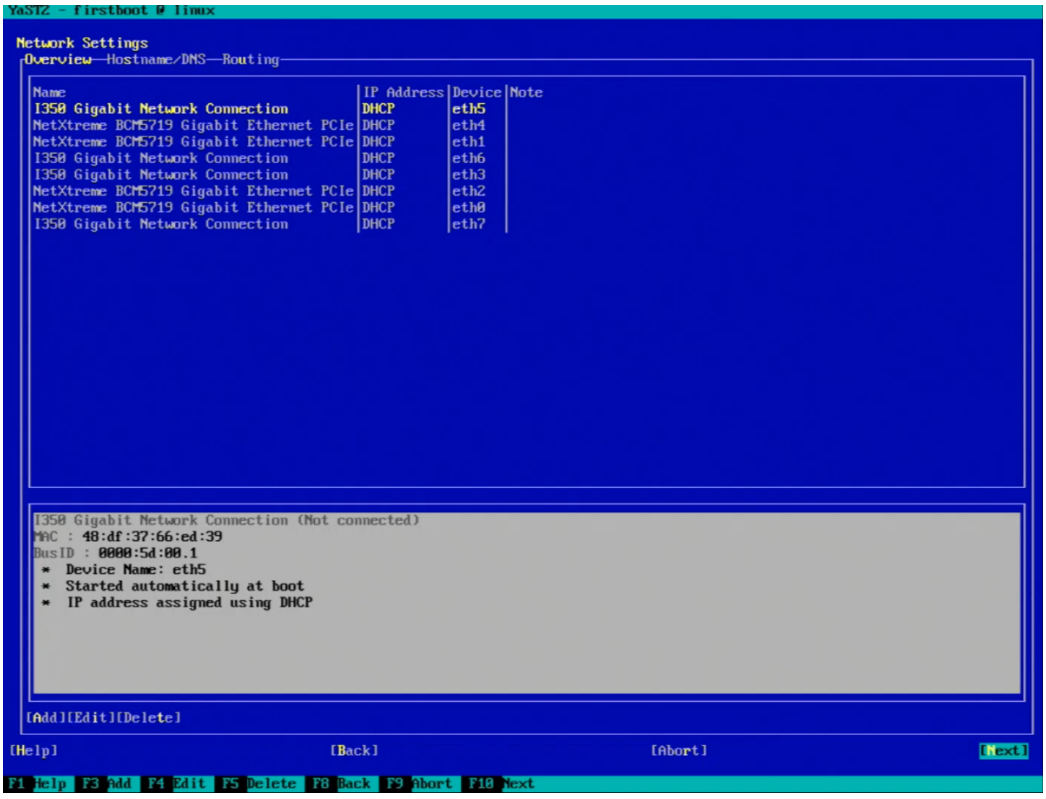
3. In the **License Agreement** dialog box, accept the SUSE Software License Agreement. Then press **F10** to continue.



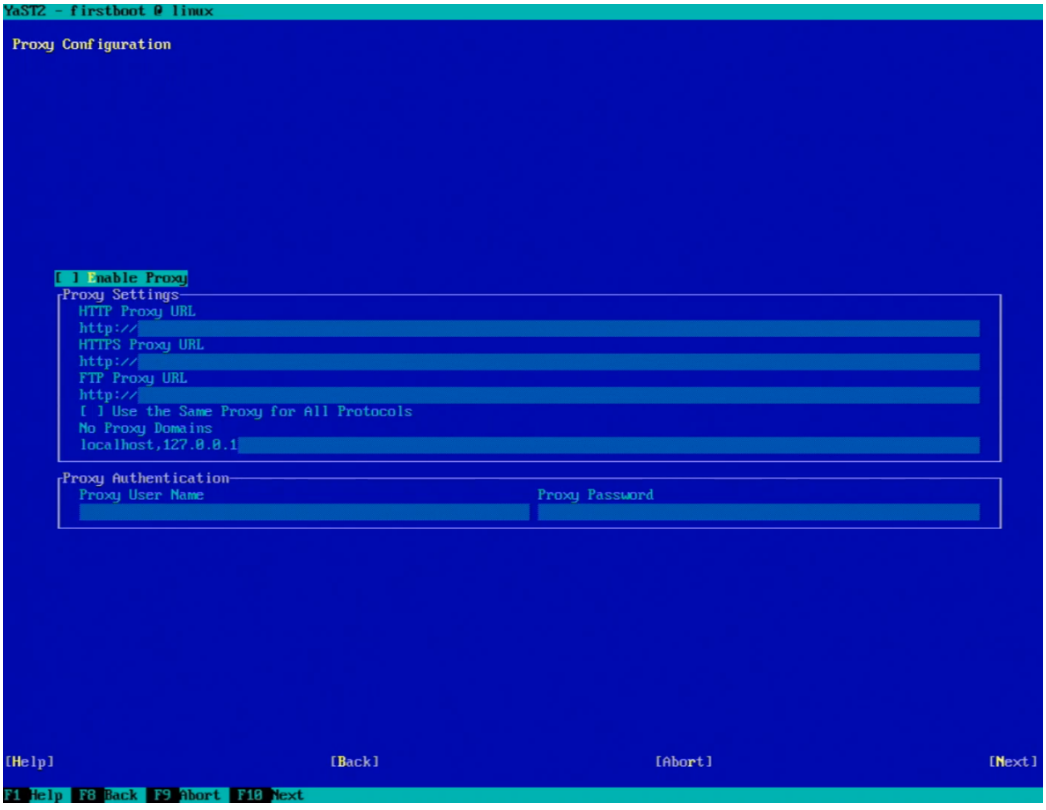
4. In the **Hostname and Domain Name** dialog box, enter host name and domain name. Then press **F10** to continue.



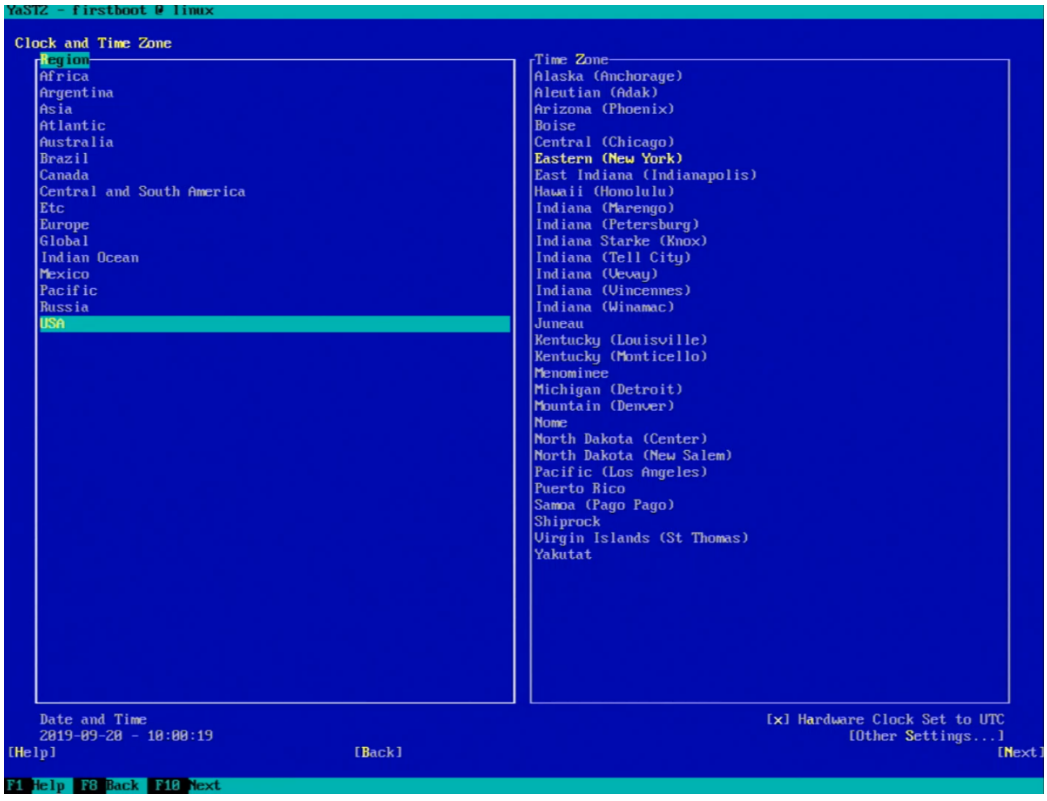
5. In the **Network Settings** dialog box, configure network settings (IP address, DNS and Gateway). Then press **F10** to continue.



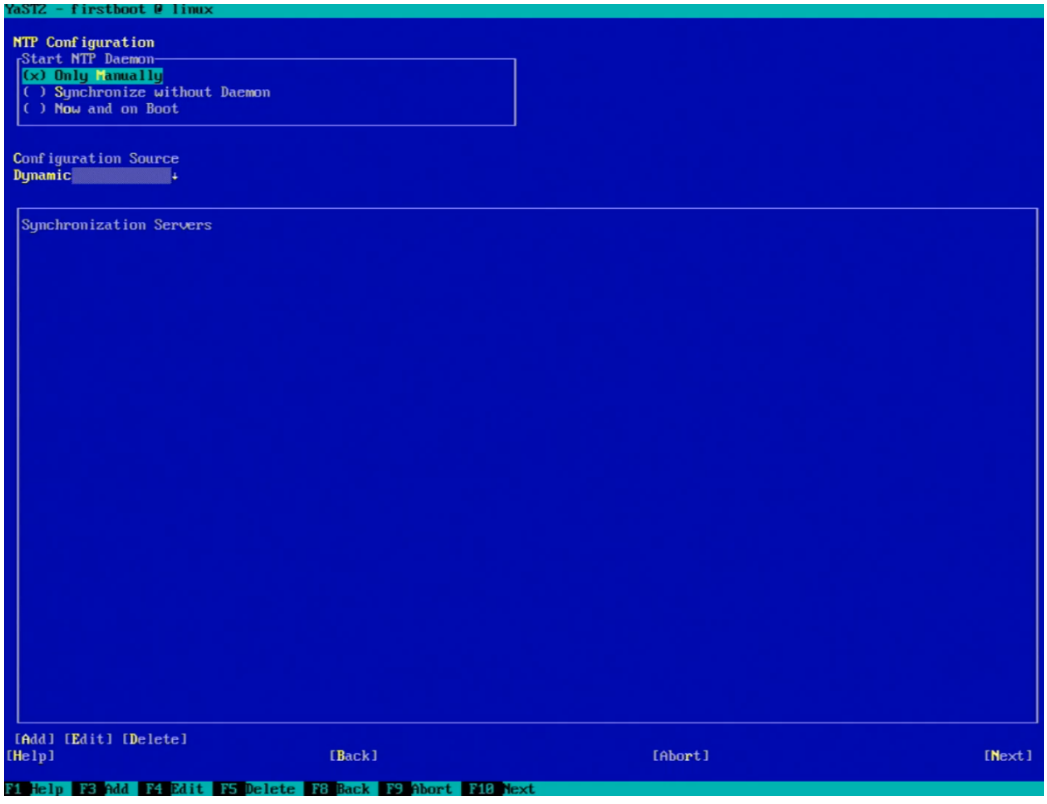
6. In the **Proxy Configuration** dialog box, edit the proxy settings. Then press **F10** to continue.



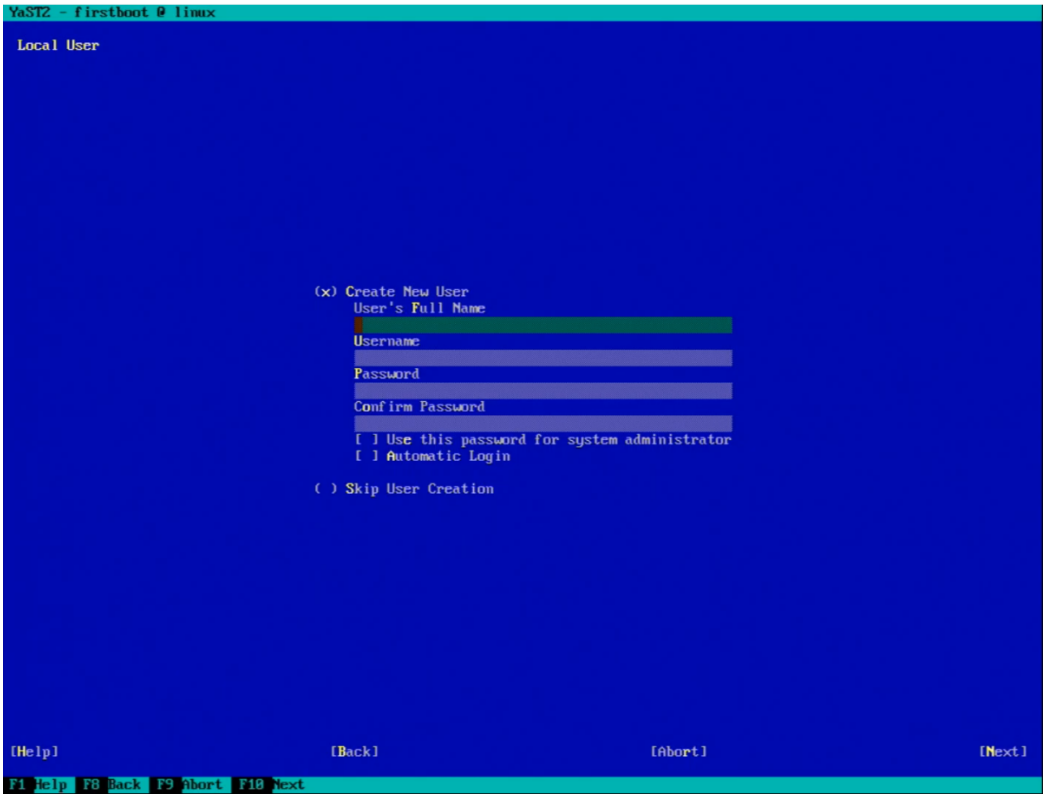
7. In the **Clock and time Zone** dialog box, select region and time zone and set date and time. Then press **F10** to continue.



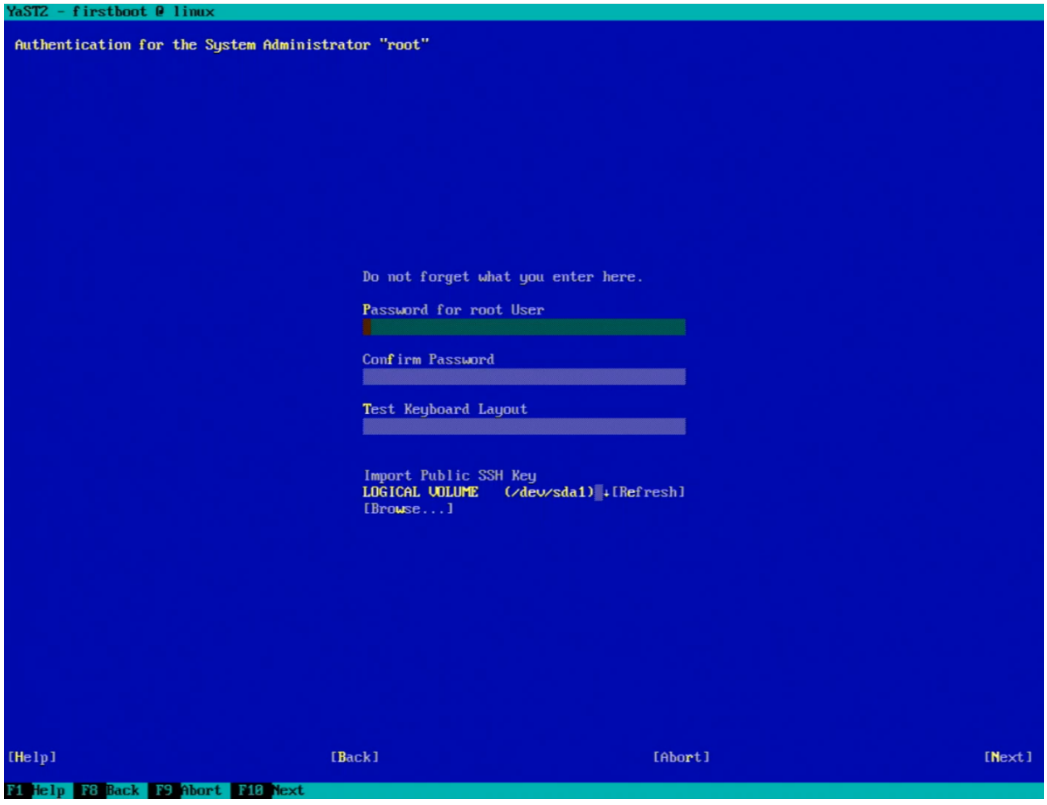
8. In the **NTP Configuration** dialog box, edit the NTP configuration settings. Then press **F10** to continue.



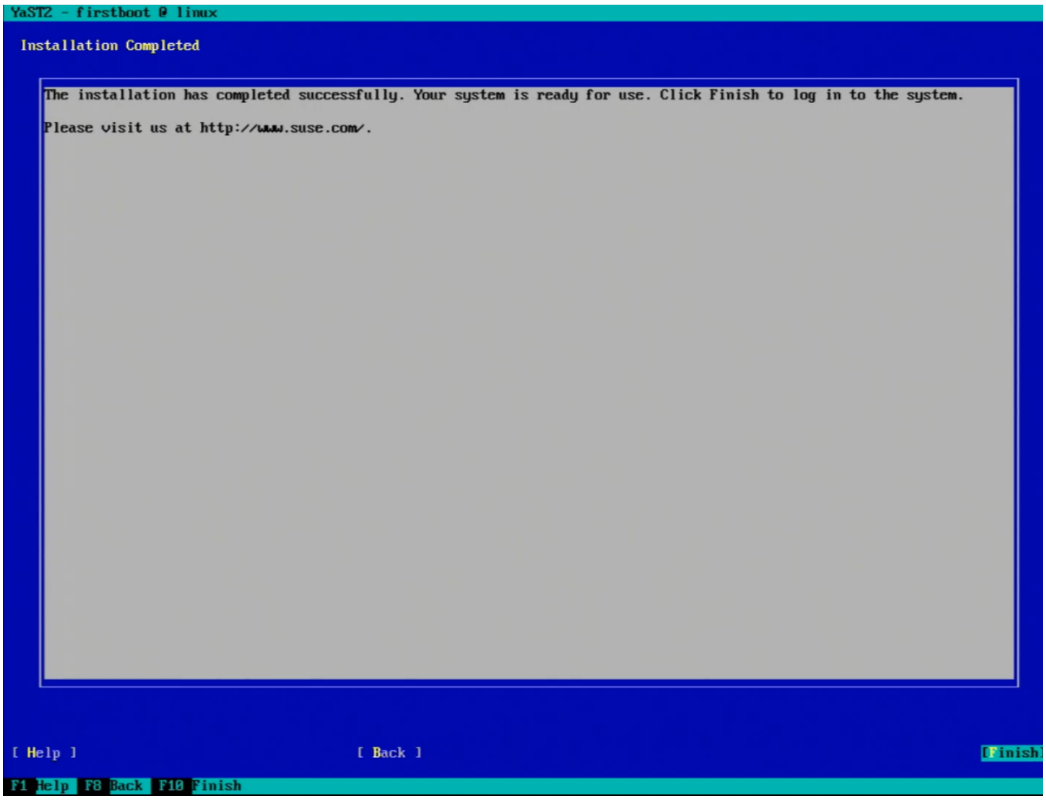
9. In the **Local User** dialog box, enter user name and password for the local user. Then press **F10** to continue.



10. In the **Authentication for the System Administrator "root"** dialog box, enter a password for the root user and confirm this password. Then press **F10** to continue.
Note: If you forget the root password, you have to set your system to factory default. In that case all data will be lost.



11. The **Installation Completed** dialog box is displayed. Press **F10** to finish.

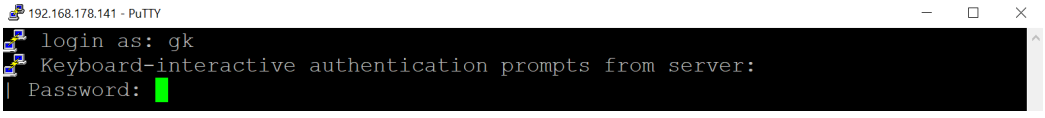


Now you can log in to the system.

Note: The following configuration steps can be executed via SSH connection.

2.2 Loging in to the server

- Log in to the SUSE Linux Enterprise server with the local user name and password.



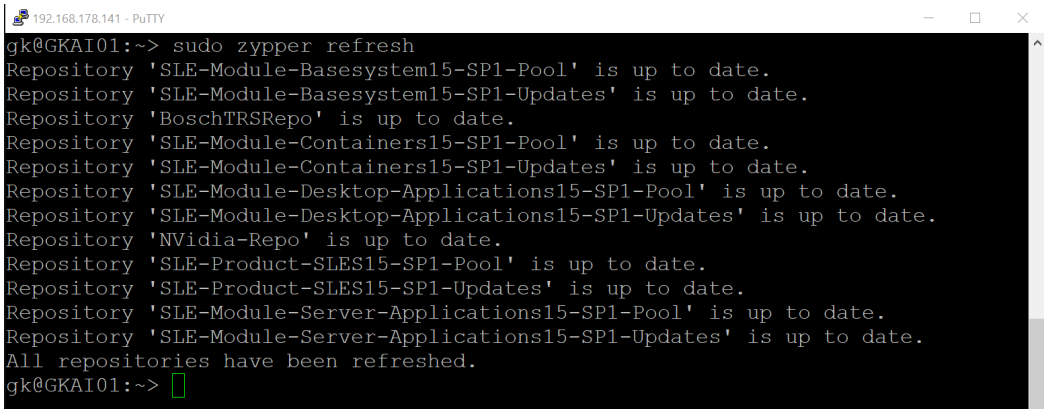
2.3 Downloading and installing NVIDIA drivers and TRS software packages

To download and install the NVIDIA drivers and TRS packages:

1. On the shell, type the following to refresh all repositories (enter root user password if required):

   sudo zypper refresh

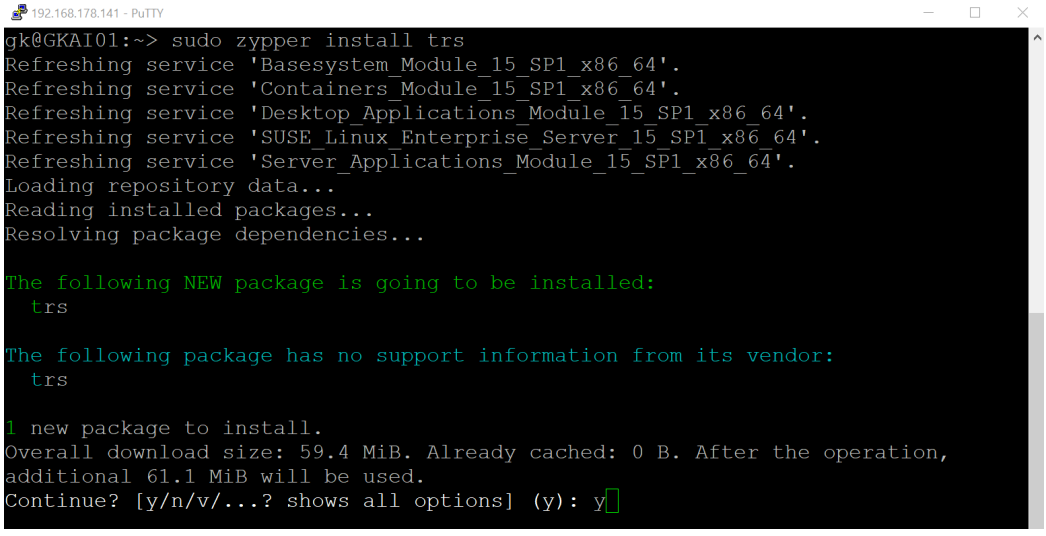
All repositories are being refreshed.



2. After all repositories have been refreshed, type the following:

   sudo zypper install trs

3. To continue, type *y* and press ENTER.



4. To install all packages, accept the two End User License Agreements (EULAs), which are displayed, by typing the following:

   yes

   The NVIDIA drivers and the TRS software packages are downloaded from the repository and installed.

2.4 Configuring host name

To configure host name:

1. On the shell, type the following to find out the IP address:

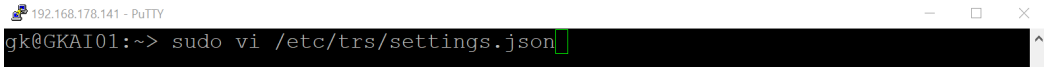
   ip addr

2. Edit the following file:

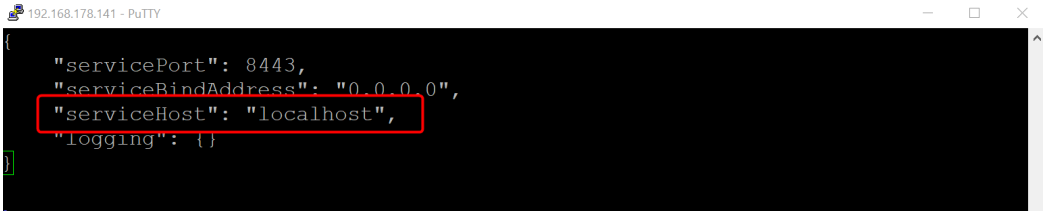
   /etc/trs/settings.json

   To edit the file, we recommend to use the **vi** editor, which is already pre-installed.
   On the shell, type the following (enter root user password, if required):

   sudo vi /etc/trs/settings.json



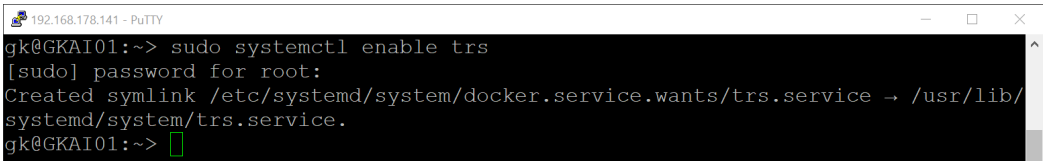
3. In the **'serviceHost'** field, edit the host name.
   Usually, only the field 'serviceHost' needs to be edited.
   If DNS is configured, it is recommended to use the FQDN. If this is not the case, the addressing takes place via IP.



2.5 Enabling TRS

To enable TRS:

- On the shell, type the following (enter root user password, if required):
  sudo systemctl enable trs



✓ During the first TRS start after restarting the server, a self-signed default server certificate with **serviceHostName** as common name is created once.

2.6 Restarting the server

To restart the server:

- On the shell, type the following (enter root user password, if required):
  sudo reboot

✓ The restart of the server applies **udev** rules and starts TRS service automatically.

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