

Despliegue de SUSE Linux Enterprise Server mediante un arranque PXE de red

DESCRIPCIÓN

SUSE Linux Enterprise Server proporciona imágenes que se pueden distribuir de forma remota mediante el arranque PXE del dispositivo de destino.

INTENCIÓN

Quiere desplegar SUSE Linux Enterprise Server de forma remota.


ESFUERZO

Se tardan unos 15 minutos en leer este artículo.

OBJETIVO

Conseguir una instancia correctamente instalada y en ejecución de SUSE Linux Enterprise Server.

REQUISITOS

Un servidor de arranque PXE correctamente configurado. Para obtener información detallada, consulte: [Instalación del servidor de PXE \(https://susedoc.github.io/doc-modular/main/html/SLE-PXE-server/\)](https://susedoc.github.io/doc-modular/main/html/SLE-PXE-server/) .

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1 Introducción a la instalación del PXE de SUSE Linux Enterprise Server

SUSE Linux Enterprise Server se puede instalar mediante un entorno de ejecución previa al arranque (PXE). El hardware cliente debe admitir el arranque mediante PXE. La red debe disponer de un servidor DHCP y un servidor TFTP que proporcione los datos necesarios a los clientes.

El procedimiento de distribución se puede resumir en los siguientes pasos:

1. Asegúrese de que el servidor DHCP esté configurado correctamente.
2. Prepare el servidor TFTP o HTTP añadiendo la imagen de instalación y configurando los ajustes de arranque. Para obtener más información, consulte el apartado sobre la [preparación de archivos de instalación \(https://susedoc.github.io/doc-modular/main/html/SLE-PXE-server/index.html#sles-pxe-server-prepare-installer\)](https://susedoc.github.io/doc-modular/main/html/SLE-PXE-server/index.html#sles-pxe-server-prepare-installer).
3. En el equipo de destino, seleccione el arranque PXE y arranque el equipo. Para obtener información detallada, consulte *Sección 2.1, "Arranque del equipo"*.

2 Despliegue de SLES de forma remota

El proceso de despliegue consta de dos fases. La primera consiste en arrancar el equipo y cargar el kernel e initrd. La segunda es la instalación propiamente dicha utilizando Agama. En la siguiente sección se ofrecen más detalles.

2.1 Arranque del equipo

En el procedimiento siguiente se describe cómo arrancar el equipo cliente para iniciar el despliegue remoto de SLES mediante el cliente PXE.

1. Encienda el equipo de destino o cree una máquina virtual. Asegúrese de utilizar conectividad mediante puentes.
2. Acceda al menú de arranque de UEFI o BIOS heredado y seleccione el arranque con PXE o HTTP. Para continuar, arranque el equipo.

3. El equipo debe iniciar el despliegue. El kernel e `initrd` se descargan del servidor de arranque PXE. Se inicia el cargador de arranque.
4. En el menú de GRUB 2, seleccione el destino de instalación. Si fuera necesario, puede pasar parámetros de arranque del kernel.

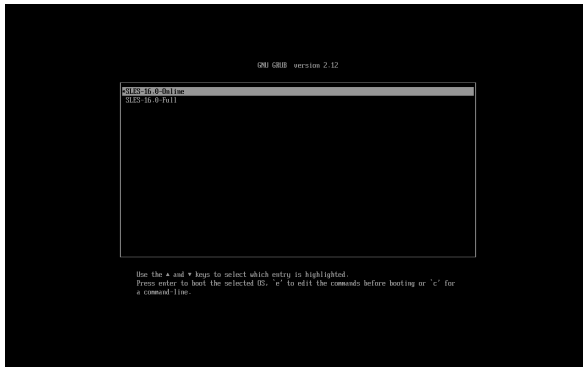


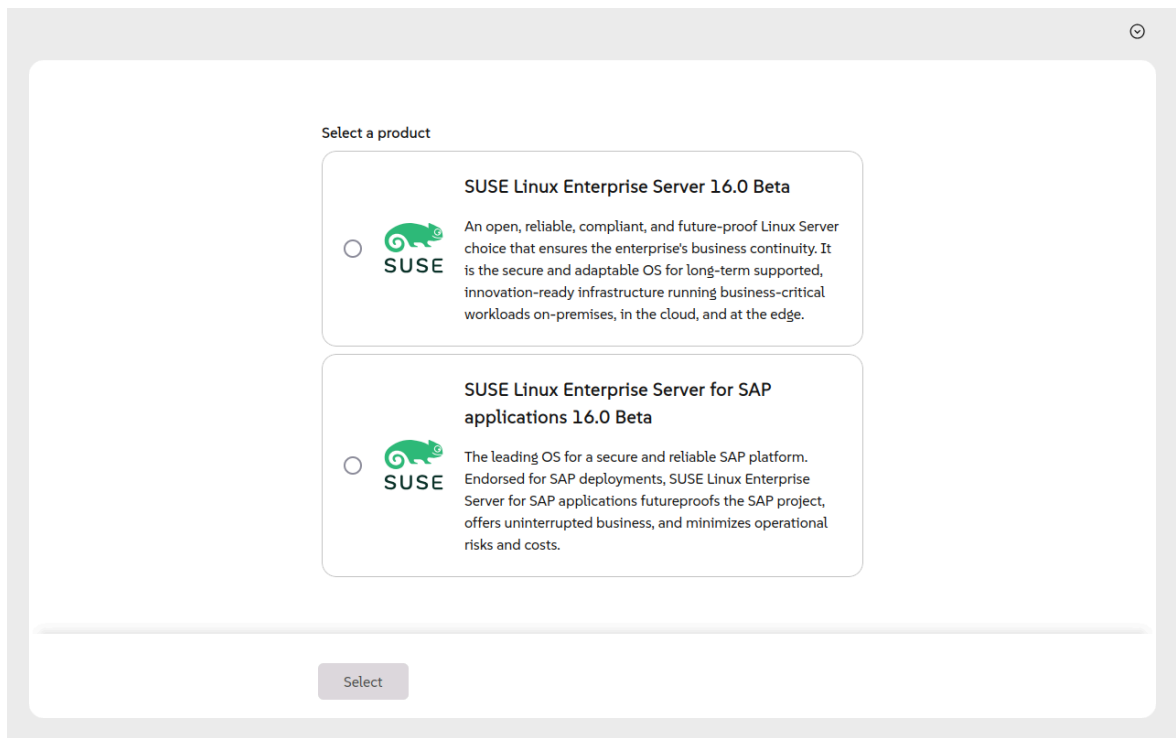
FIGURA 1: SELECCIÓN DEL DESTINO DE INSTALACIÓN EN EL MENÚ DE ARRANQUE PXE

5. `initrd` configura la red e inicia el despliegue de SUSE Linux Enterprise Server mediante Agama.

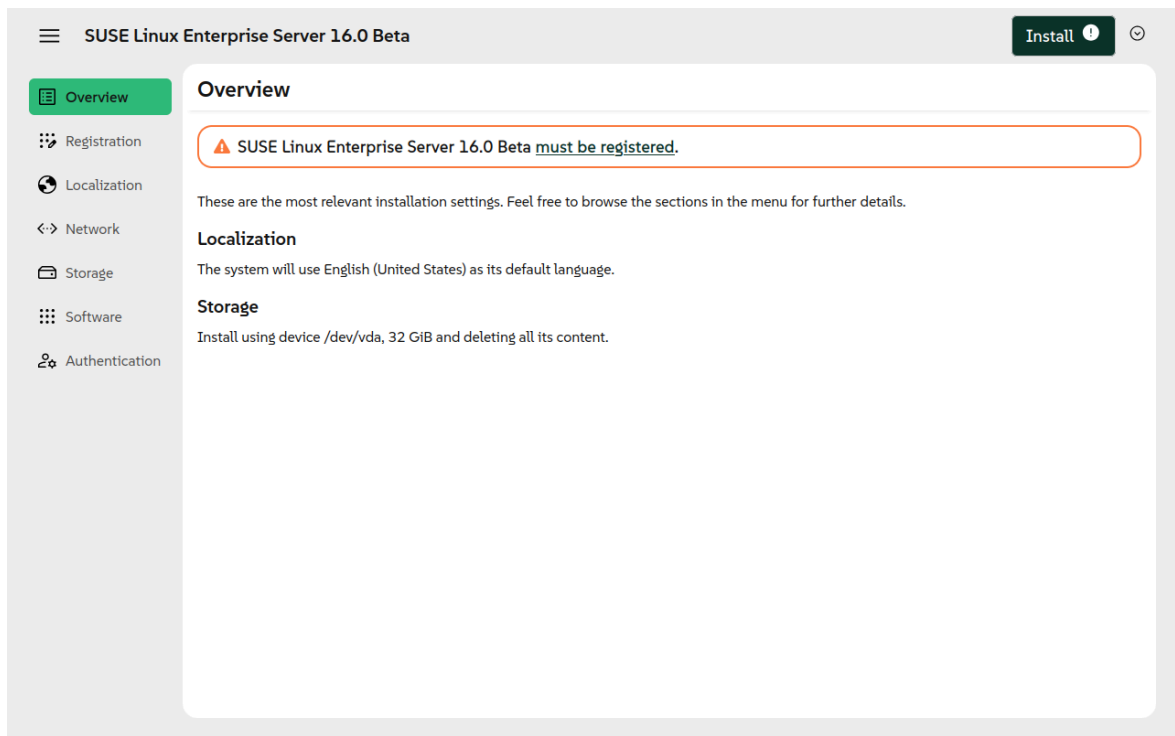
2.2 Instalación de SLES con Agama

El siguiente procedimiento proporciona una descripción detallada de cómo instalar manualmente SLES usando Agama desde el servidor remoto.

1. Seleccione SUSE Linux Enterprise Server 16.0 para la instalación y acepte la licencia para continuar.



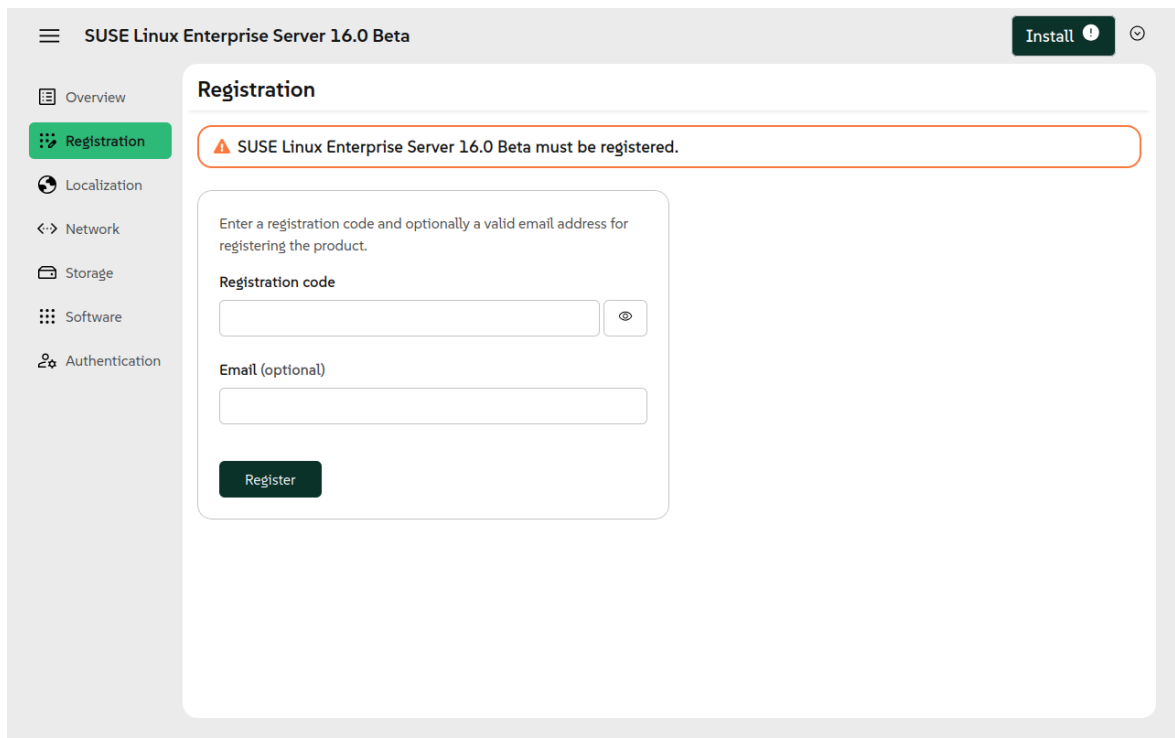
2. Se muestra una descripción general con los ajustes de instalación más relevantes. Ajuste la configuración seleccionando la categoría en el menú de la izquierda o, directamente, continúe con la instalación.



Sugerencia: idioma y teclado del instalador

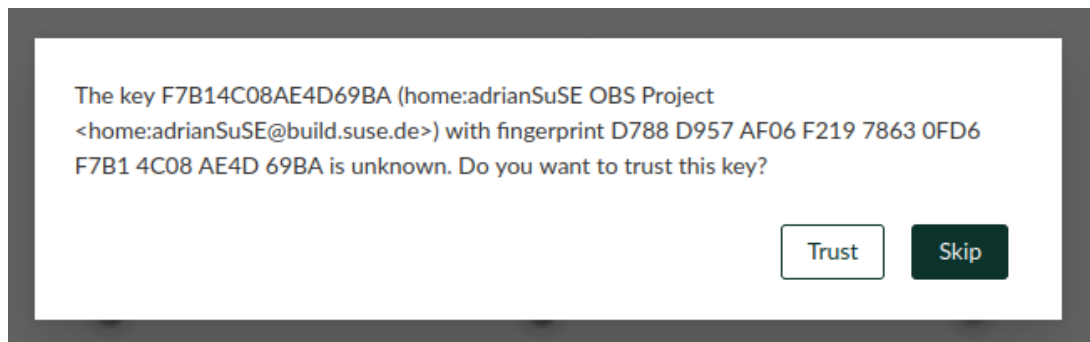
Haga clic en el menú de la flecha de la esquina superior derecha y seleccione *Opciones del instalador* para cambiar el idioma y el mapa de teclas utilizados por el instalador. El idioma solo se puede cambiar en instalaciones locales. Si usa un navegador Web para una instalación remota, configure el idioma preferido del contenido en los ajustes del navegador y vuelva a cargar el instalador.

3. Registre su producto. Introduzca un código de registro y, opcionalmente, una dirección de correo electrónico válida.



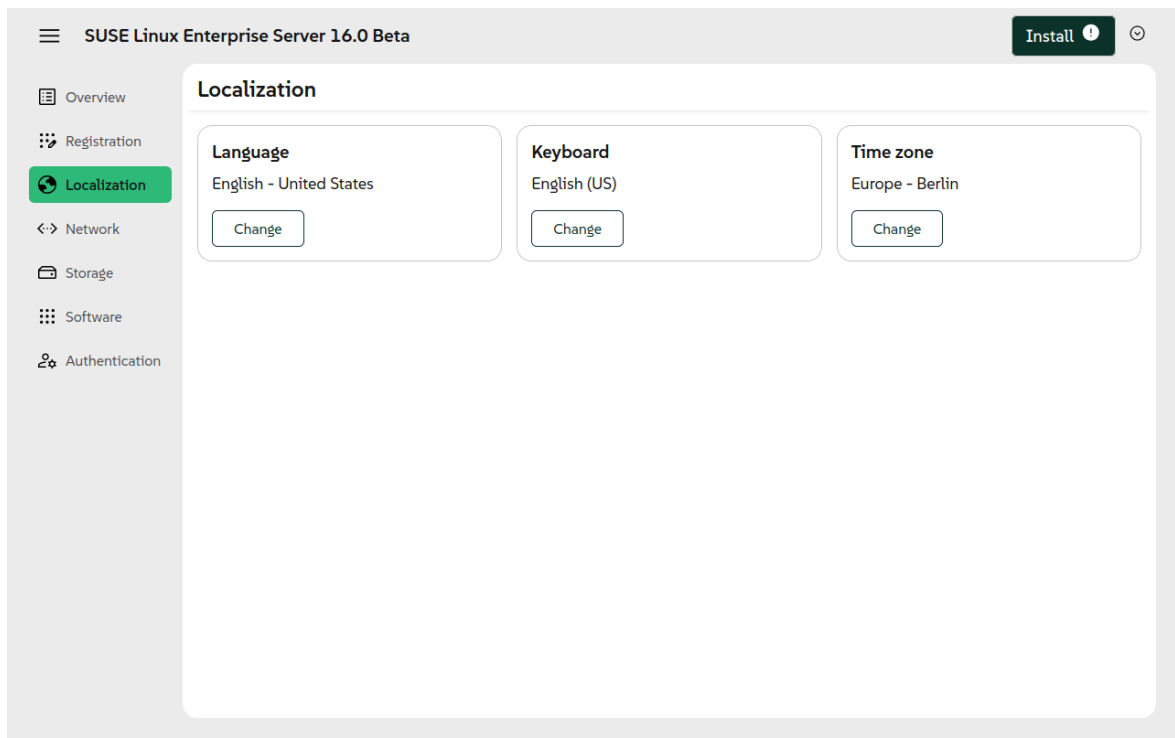
Nota: registro opcional para imágenes firmadas con la clave del desarrollador

Las imágenes firmadas con la clave del desarrollador pueden permitirle omitir el registro antes de la instalación. Si la imagen de su producto admite la instalación sin registro, es posible que vea una ventana emergente similar a la siguiente:

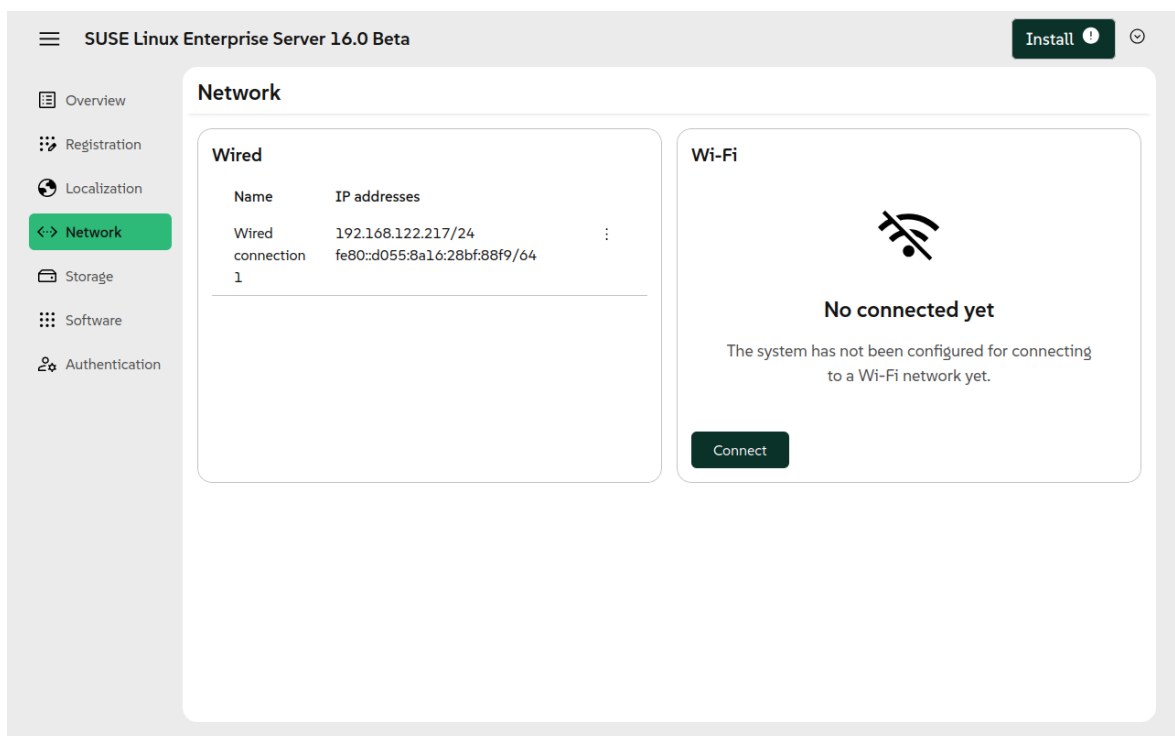


Para instalar sin registro, seleccione *Confiar* en la ventana emergente.

4. (Opcional) Ajuste la configuración de localización, como el idioma, el mapa de teclas y la zona horaria.



5. (Opcional) Configure los ajustes de red. Para editar una conexión de red existente, haga clic en los tres puntos.



6. Seleccione un dispositivo de almacenamiento para la instalación.

Actualmente, se admiten instalaciones en discos individuales o LVM. Para cambiar el disco o usar LVM, haga clic en el botón *Más opciones* del nombre del dispositivo en la sección *Dispositivos de instalación*.

Para detectar un disco iSCSI, seleccione el iniciador iSCSI y haga clic en *Descubrir los objetivos iSCSI*.

Por defecto, los sistemas de archivos se asignarán como nuevas particiones en el dispositivo seleccionado. Puede cambiar este comportamiento en la lista desplegable *Todo el contenido será borrado* en la sección *Dispositivos de instalación*. Están disponibles las siguientes directivas de espacio:

DIRECTIVAS DE ESPACIO

Eliminar el contenido actual

Todas las particiones se eliminarán y cualquier dato de los discos se perderá.

Reducir las particiones existentes

Los datos se conservan, pero las particiones actuales se reducirán según sea necesario.

Utilice el espacio disponible

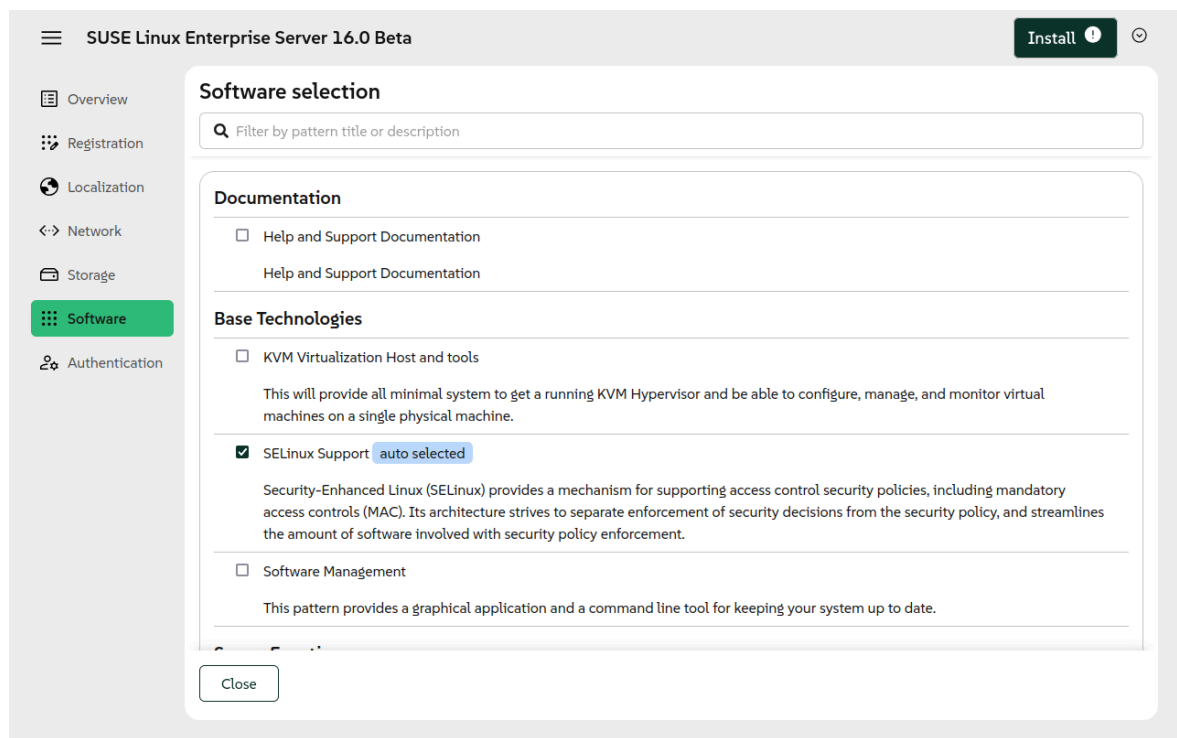
Los datos se conservan. Solo se usará el espacio no asignado a ninguna partición.

Personalizado

Seleccione qué hacer con cada partición.

Para editar particiones individuales, expanda la sección *Particiones y sistemas de archivos* haciendo clic en el símbolo >. Opcionalmente, puede configurar instantáneas Btrfs y opciones de arranque y habilitar el cifrado de disco completo (FDE).

7. *(Opcional)* Añada el software adicional que desee instalar, como el hipervisor KVM o el servicio de gestión del sistema Cockpit.



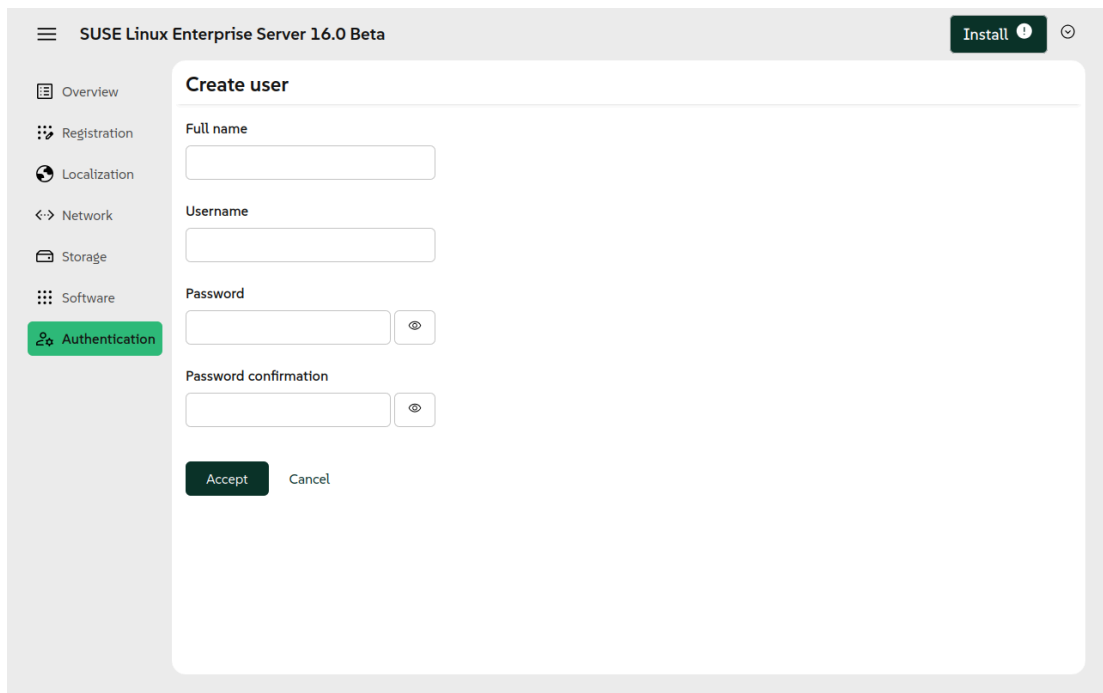
8. Configure los ajustes de autenticación.



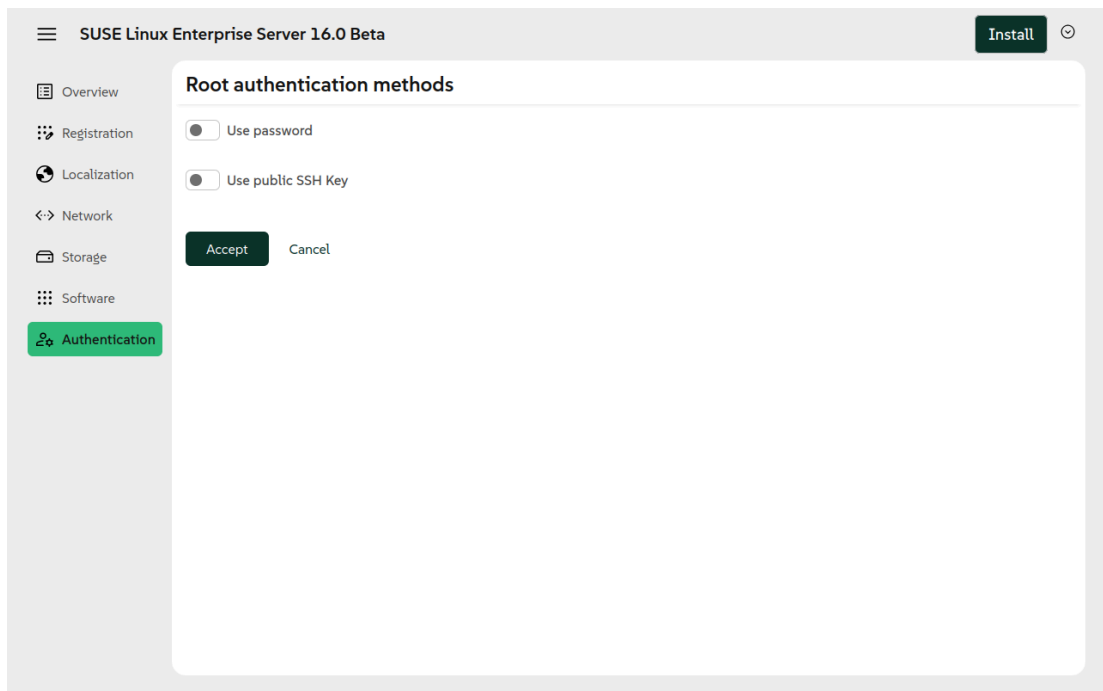
Importante: sin acceso SSH del usuario root

El acceso SSH del usuario root está inhabilitado por defecto. Por lo tanto, se recomienda encarecidamente crear un usuario del sistema. Al primer usuario del sistema se le conceden privilegios de sudo automáticamente. También se puede utilizar para acceder a Cockpit.

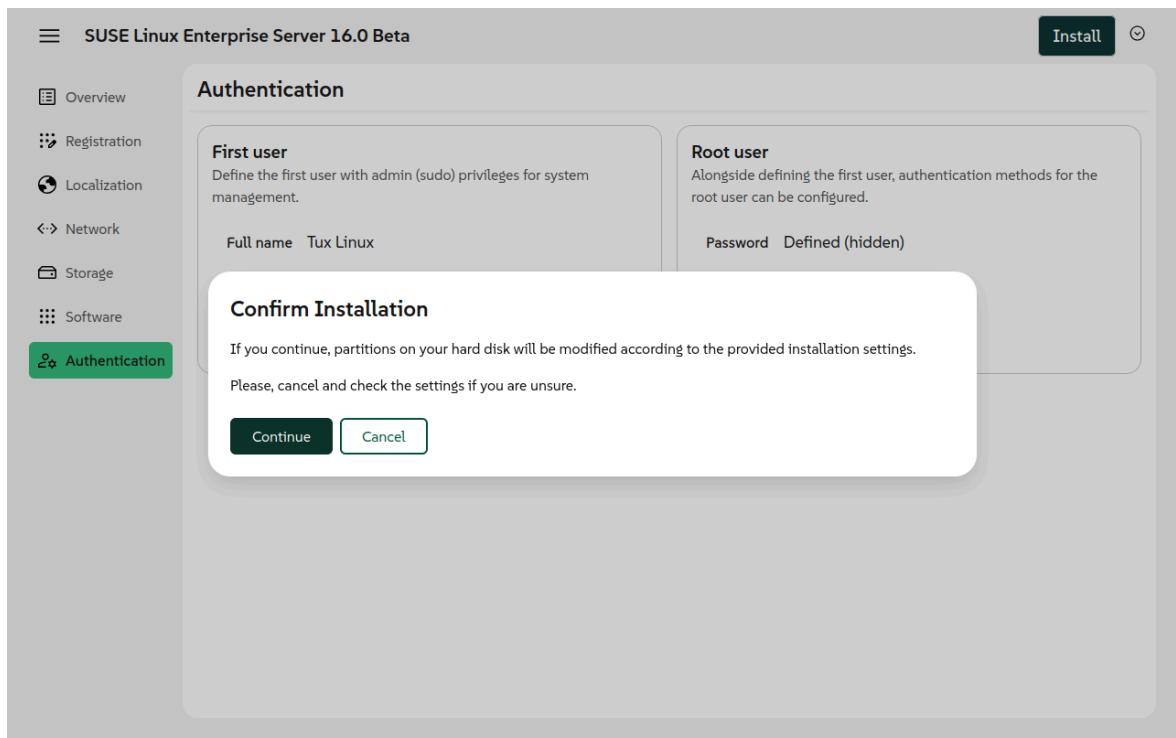
- a. Cree un usuario que no sea root. Haga clic en *Definir un usuario ahora* e introduzca detalles como el nombre de usuario y la contraseña.



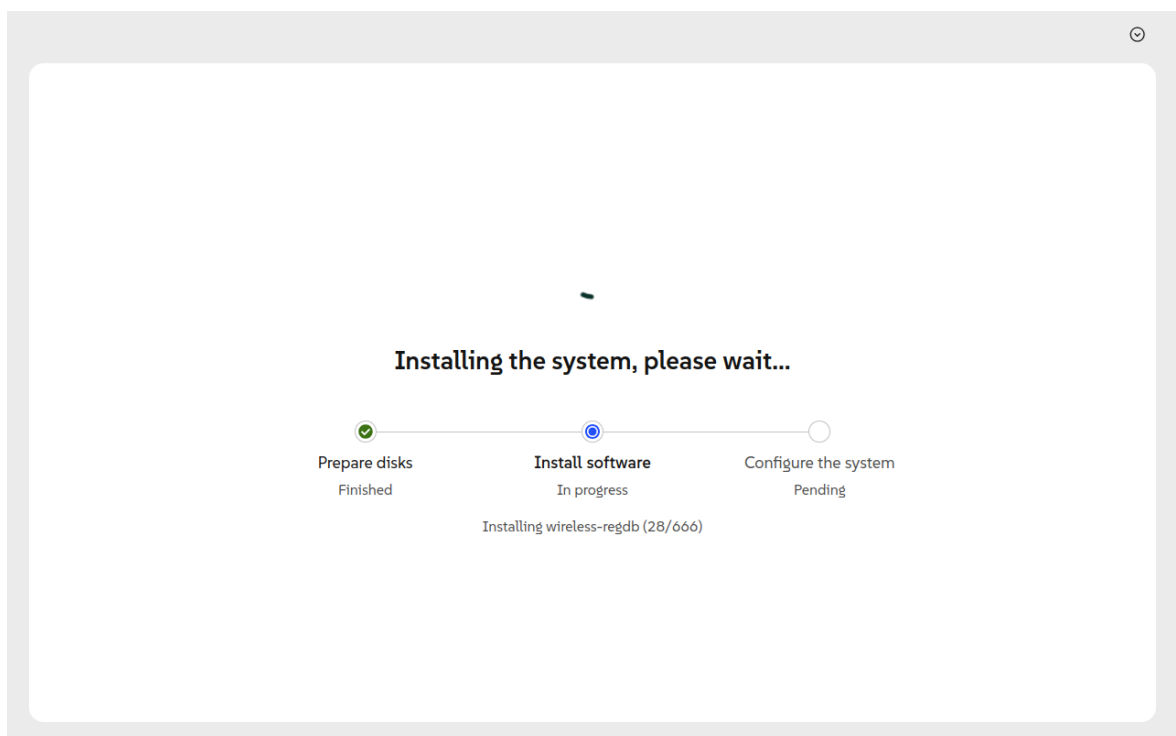
- b. Configure los métodos de autenticación para el usuario root. Puede usar una contraseña segura, una clave pública SSH o ambas.



9. Haga clic en *Instalar* y confirme para iniciar la instalación.



10. Espere a que finalice la instalación del sistema. Se tardan unos 30 minutos en completar la instalación.





Sugerencia: registros de instalación

Puede usar el menú de la flecha de la esquina superior derecha de la ventana para ver los registros y los mensajes del sistema.

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