AgamaをSUSE Linux Enterprise Serverの手動インストール

概要

この記事では、Agamaを使用してSUSE Linux Enterprise Serverをインストールする方法について説明します。ここで紹介する情報は、ベアメタルと仮想マシンの両方に製品をインストールする場合に適用されます。

目的

この記事を読んで、Agamaを使用してSUSE Linux Enterprise Serverをインストールするプロセスを理解します。

所要時間

この記事の理解には15分ほどを要します。

目標

AgamaをSUSE Linux Enterprise Serverを手動でインストールする方法を習得します。

要件

- ベアメタルサーバまたは仮想マシン。デスクトップ環境のないサーバインストールの場合、SUSEは最低1 CPU、2GBのメモリ、32GBのストレージ(ルートパーティションのBtrfsスナップショット用ストレージ、スワップ領域、ソフトウェアパッケージ用ストレージを含む)を推奨しています。
- インストールする製品の有効な登録コード。製品の登録コードを生成し、SUSE Customer Centerで組織のサブスクリプションを有効化できます。

注記: オプションの登録

開発者のキーで署名された特定のイメージでは、インストール前またはインストール中に登録をスキップできる場合があります。さらに、特定のイメージには、オペレーティングシステム用のインストール可能なパッケージがすべて含まれている場合があり、オフラインパッケージリポジトリとして使用できます。このような場合、インストール前に有効な登録コードが必要ない場合があります。ただし、公式オンラインリポジトリのソフトウェアパッケージを使用する場合は、SUSE Customer Centerで製品を登録することをお勧めします。

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1 Agamaの概要

このセクションでは、SUSE Linux Enterprise Server 16.0以降のバージョンのデフォルトインストーラであるAgamaの概要を簡単に説明します。

1.1 Agamaとは?

AgamaはSUSEが開発した柔軟で強力なオープンソースのインストーラです。Agamaを使用して、サポートされているSUSE Linux Enterprise Serverのバージョンをさまざまなマシンアーキテクチャに手動または自動でインストールできます。Agamaベースのインストール方法では、さまざまなユースケースやワークロードに合わせて**すぐに使用できる**イメージを直感的なインタフェースで提供します。CockpitやAnsibleと組み合わせることで、SUSE Linux Enterprise ServerにおけるYaSTの代替となります。

2 Agamaを使用したSUSE Linux Enterprise Serverのインストール

このセクションでは、AgamaベースのISOイメージファイルを使用してSUSE Linux Enterprise Serverをインストールする方法について説明します。

2.1 概要

以下のセクションでは、SUSE Linux Enterprise ServerのAgamaベースの手動インストール手順について説明します。この情報は、ベアメタルと仮想マシンの両方へのインストールに適用されます。

2.2 要件

- サポート対象バージョンのSUSE Linux Enterprise Server用のAgamaベースのISOイメージファイル。SUSE Customer Centerからダウンロードし、チェックサムを検証して、整合性を確認できます。

注記: 製品で使用可能なイメージ

Agamaベースのインストールイメージは、SUSE Linux Enterprise Server 16.0以降のバージョンで使用できます。

2.3 Agamaを使用したSUSE Linux Enterprise Server for ppc64leの手動インストール

Agamaを使用してSUSE Linux Enterprise Serverを手動でインストールするには、次の手順を実行します。

手順 1: AGAMAを使用したSUSE LINUX ENTERPRISEの手動インストール

1. ISOイメージをVIOSサーバにコピーします。

```
> scpSLES-Online-16.0-ppc64le-Beta2.install.iso padmin@VIOS_SERVER
```

   VIOS_SERVERはVIOSサーバのホスト名またはIPアドレスに置き換えます。

2. 仮想光学デバイスを作成し、VIOSサーバの仮想デバイスにISOをロードします。

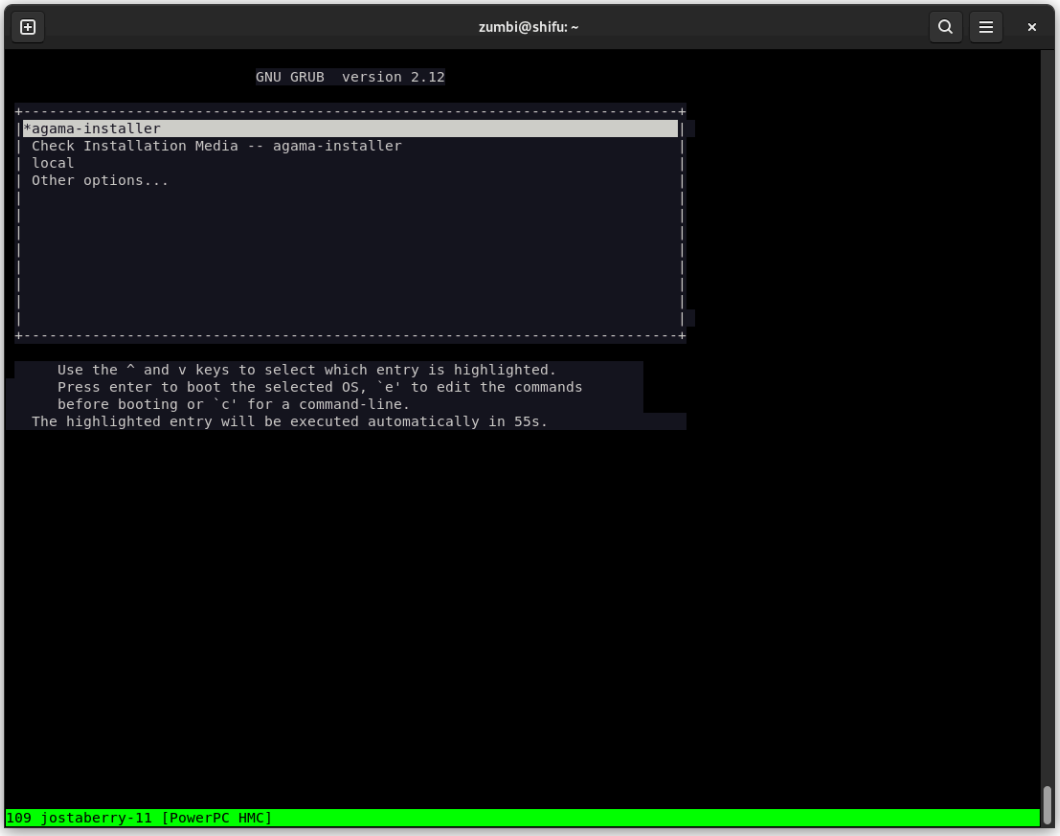
```
(VIOS)$mkvopt -name sles16-offline -file SLES-Online-16.0-ppc64le-Beta2.install.iso
 -ro
(VIOS)$loadopt -f -release -disk sles16-offline -vtd vcdXY
```

   vcdXYを、起動するLPARに接続されている仮想デバイスユニットに置き換えます。

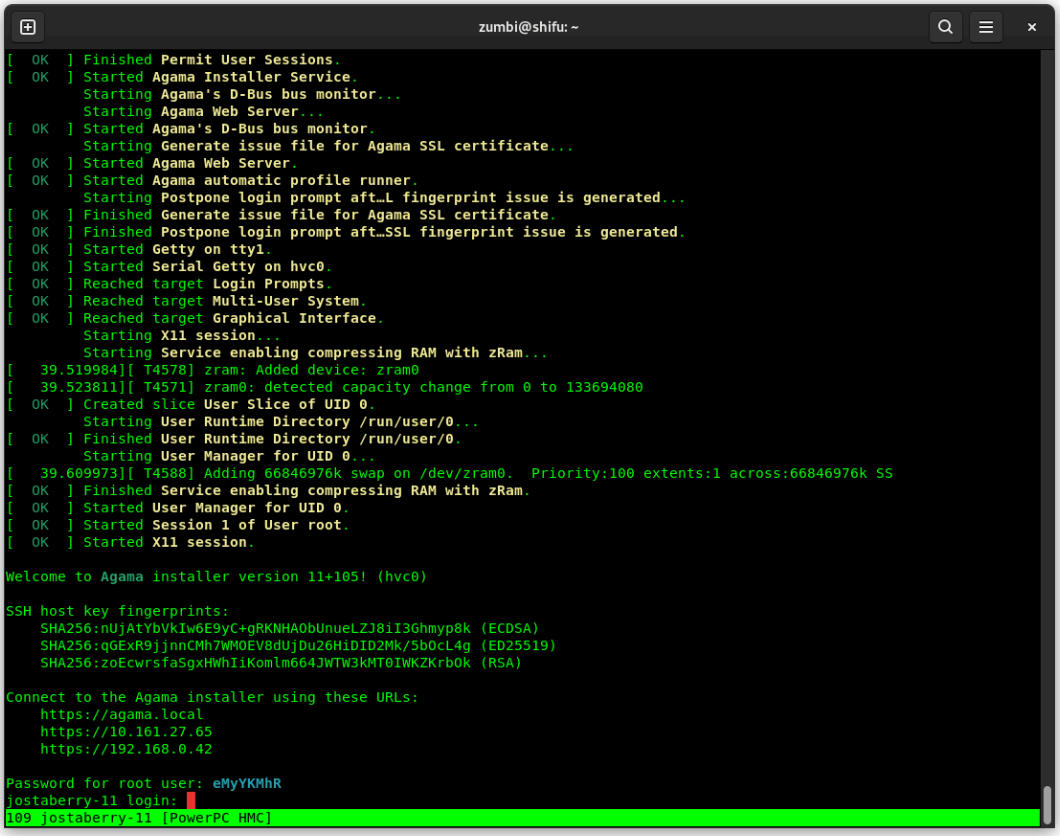
3. 接続された仮想デバイスからシステムを起動します。Select Boot Options (起動オプションの選択) › Select Install/Boot Device (インストール/起動デバイスの選択) › CD/DVD › List All Devices (すべてのデバイスの一覧)を選択し、ステップ 2で作成した仮想光学デバイスを選択します。次に、Normal Boot Mode (通常起動モード)を選択し、選択内容を確認します。

4. コンソールにログインし、ルートパスワードとIPアドレスを取得します。

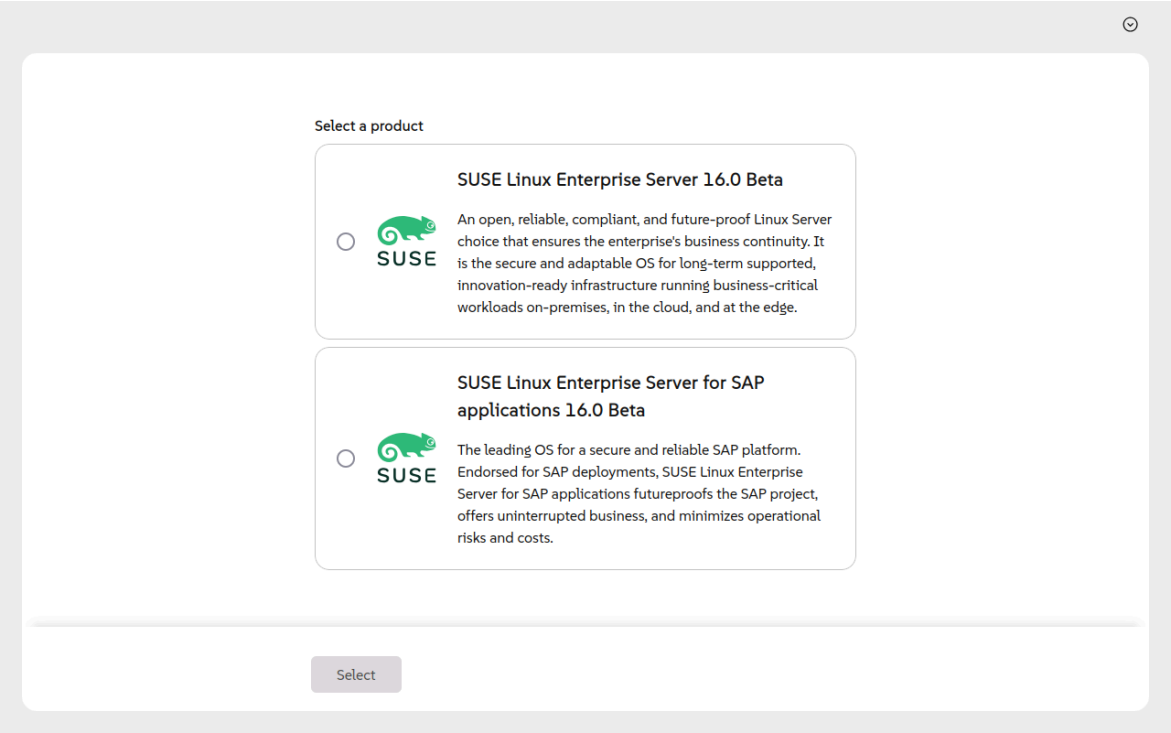
   a. agama - installerを選択し、 `Enter` を押してシステムを起動します。



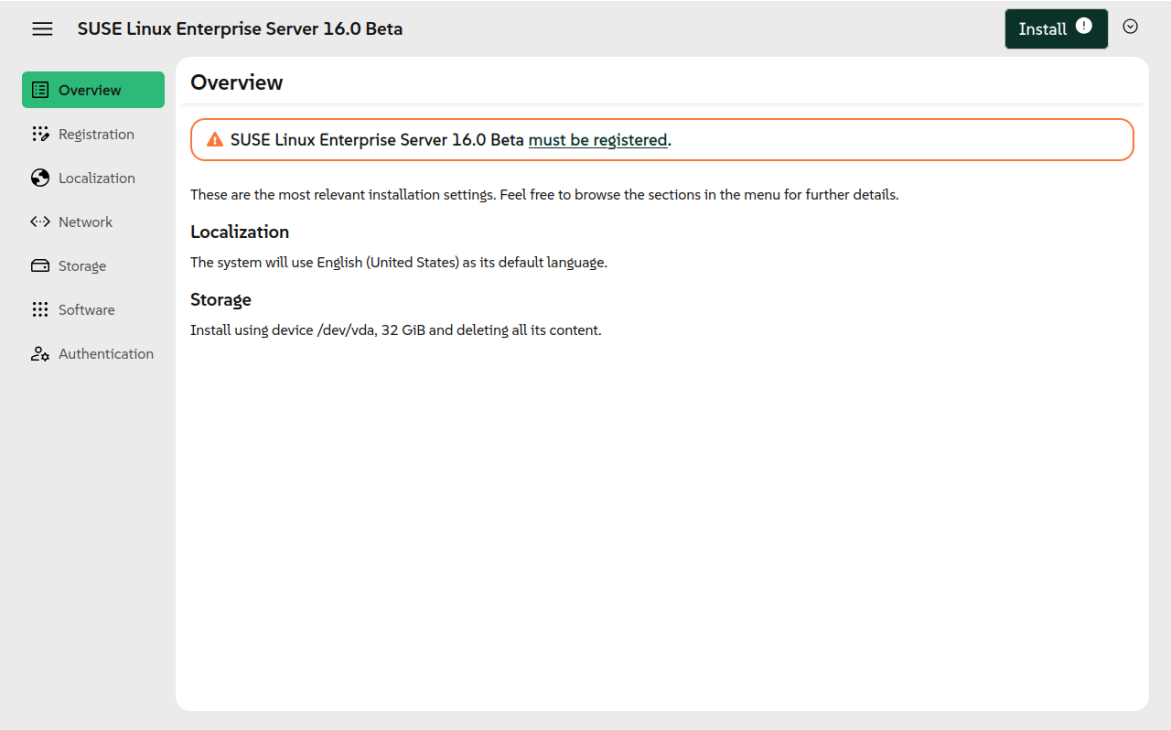
b. 起動が終了すると、IPアドレスとルートパスワードが表示されます。



5. コンソールで所定のURLを指すWebブラウザを開きます。`root`パスワードを入力し、インストールを進めます。
6. インストール対象としてSUSE Linux Enterprise Server 16.0を選択し、ライセンスに同意して続行します。



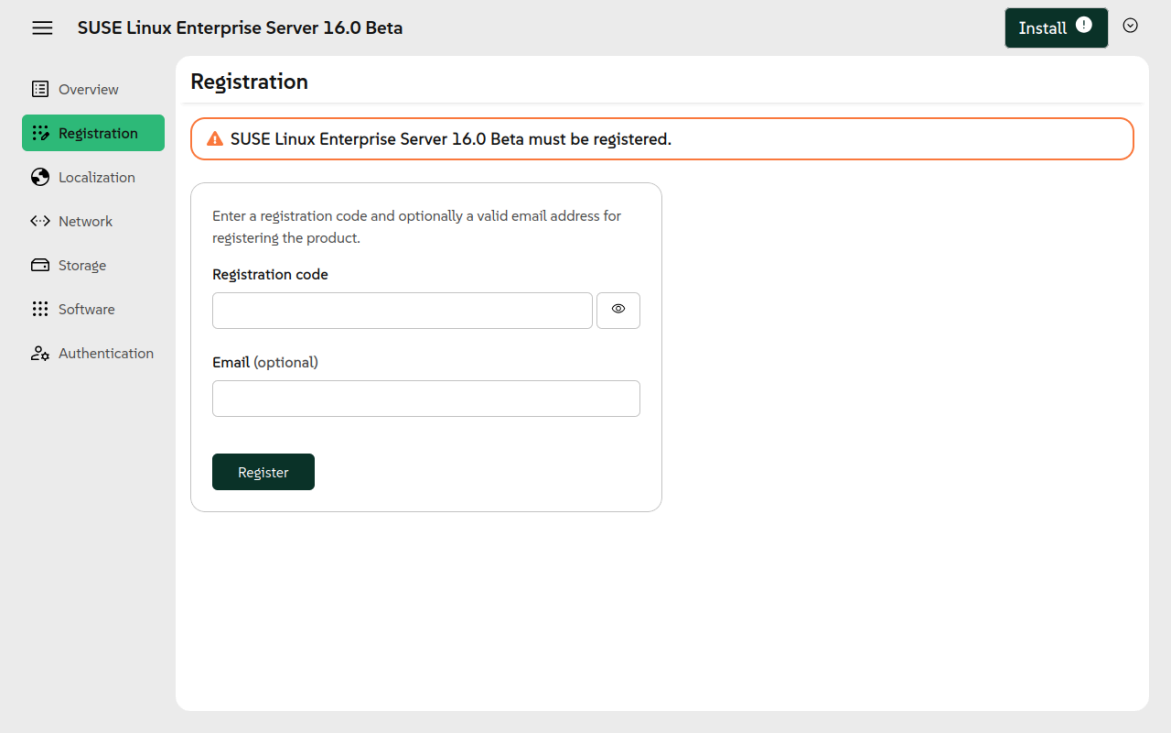
7. 最も関連性の高いインストール設定の概要が表示されます。左側のメニューからカテゴリを選択して設定を調整するか、直接インストールを進めてください。



ヒント: インストーラの言語とキーボード

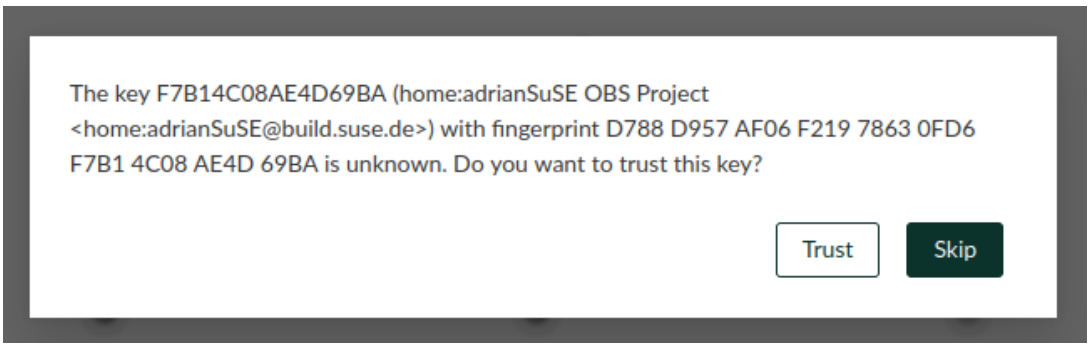
右上隅の矢印メニューをクリックし、インストーラのオプションを選択してインストーラで使用する言語とキーボードレイアウトを変更します。言語はローカルインストールでのみ変更できます。リモートインストールにWebブラウザを使用している場合は、ブラウザの設定で希望するコンテンツ言語を設定し、インストーラを再読み込みします。

8. 製品を登録します。登録コードを入力し、オプションで有効な電子メールアドレスを入力します。



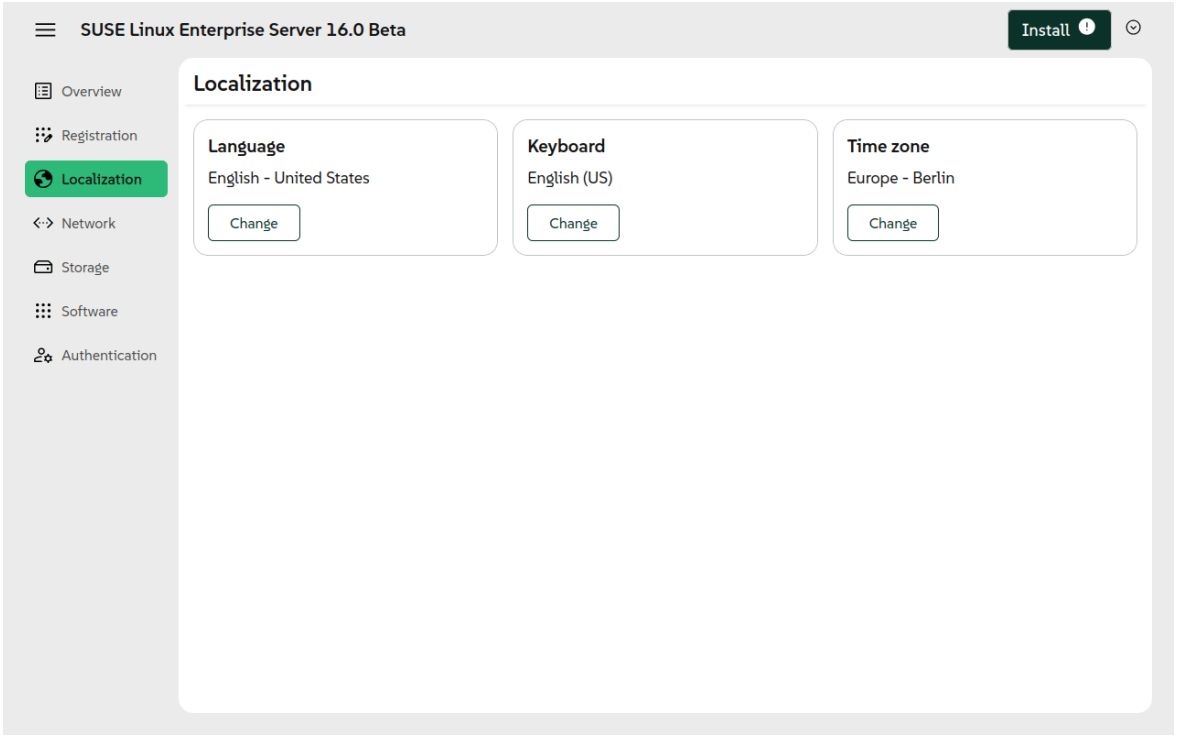
注記: 開発者のキーで署名されたイメージのオプションの登録

開発者のキーで署名されたイメージでは、インストール前に登録をスキップできる場合があります。製品のイメージが登録なしのインストールをサポートしている場合、次のようなポップアップが表示されることがあります。

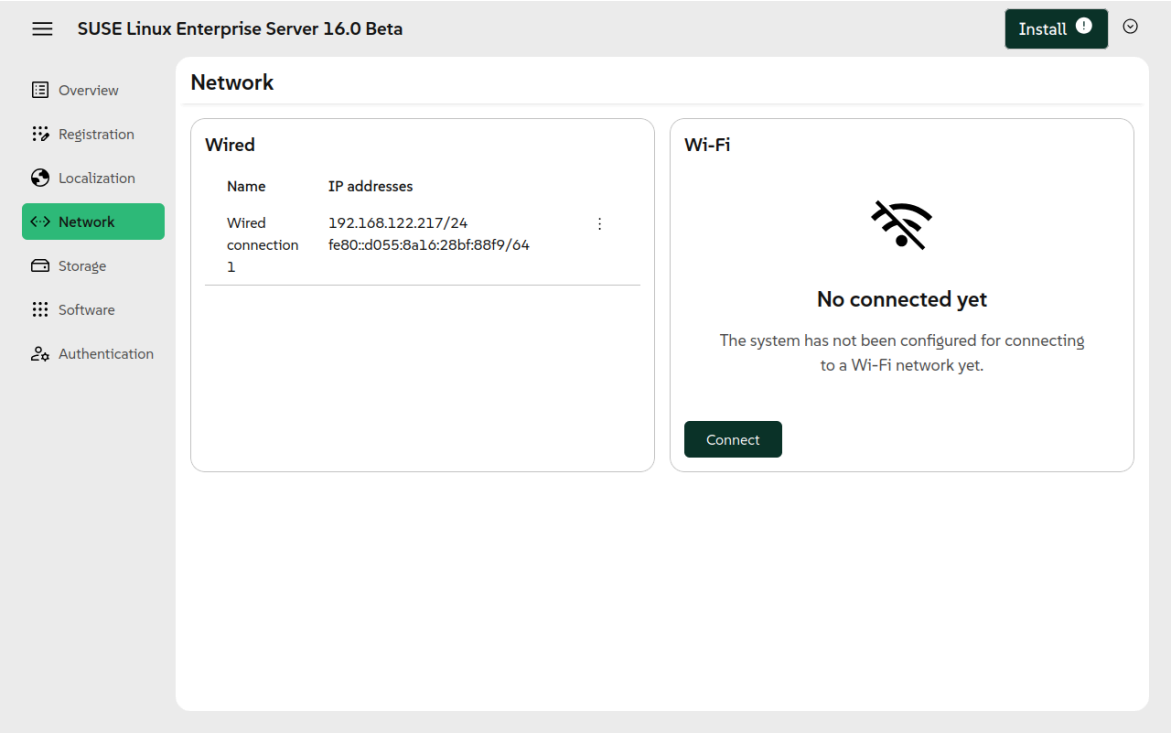


登録なしでインストールするには、ポップアップで信頼するを選択します。

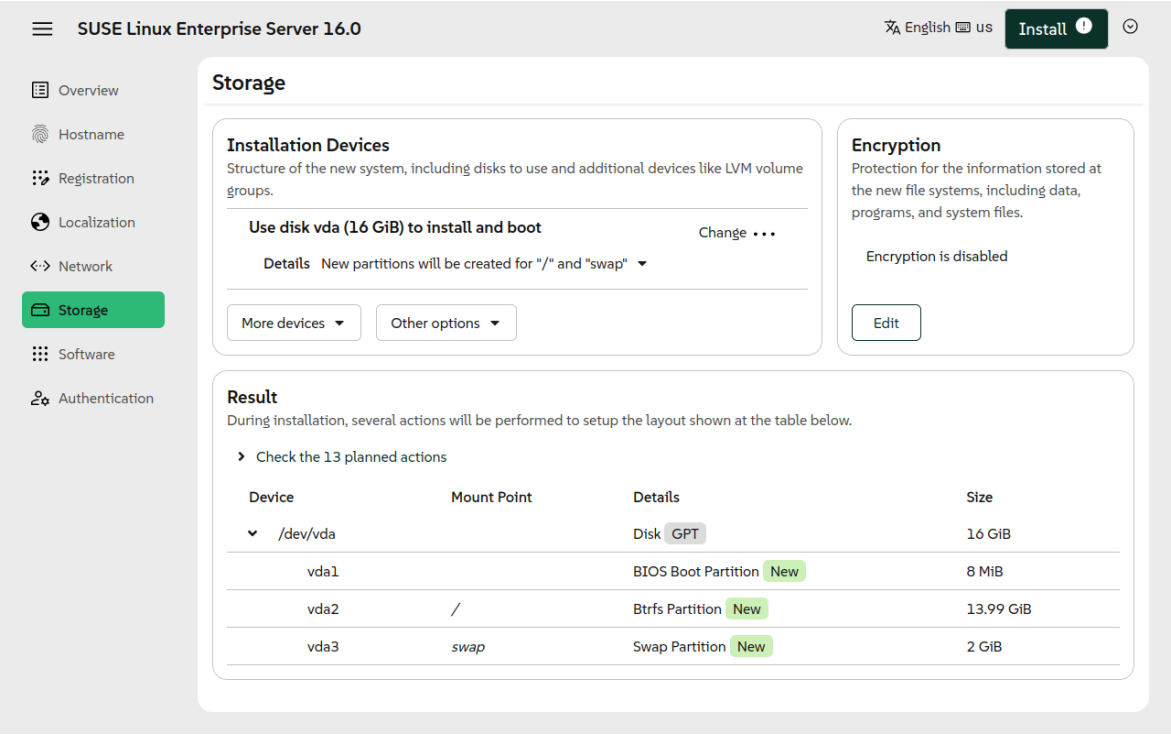
9. (オプション) 言語、キーボードレイアウト、タイムゾーンなどのローカライズ設定を調整します。



10. (オプション) ネットワークを設定します。既存のネットワーク接続を編集するには、3つのドットをクリックします。



11. インストールするストレージデバイスを選択します。



現在、シングルディスクまたはLVMへのインストールがサポートされています。ディスクを変更するか、LVMを使用するには、インストール先のデバイスセクションのデバイス名さらなるオプションボタンをクリックします。
iSCSIディスクを検出するには、iSCSIイニシエータを選択し、iSCSIターゲットの検出をクリックします。
デフォルトでは、ファイルシステムは選択されたデバイスの新しいパーティションとして割り当てられます。この動作は、インストール先のデバイスセクションの全ての内容を削除するドロップダウンリストで変更できます。次のスペースポリシーを使用できます。

スペースポリシー

現在のコンテンツの削除
: すべてのパーティションが削除され、ディスク上のデータがすべて失われます。

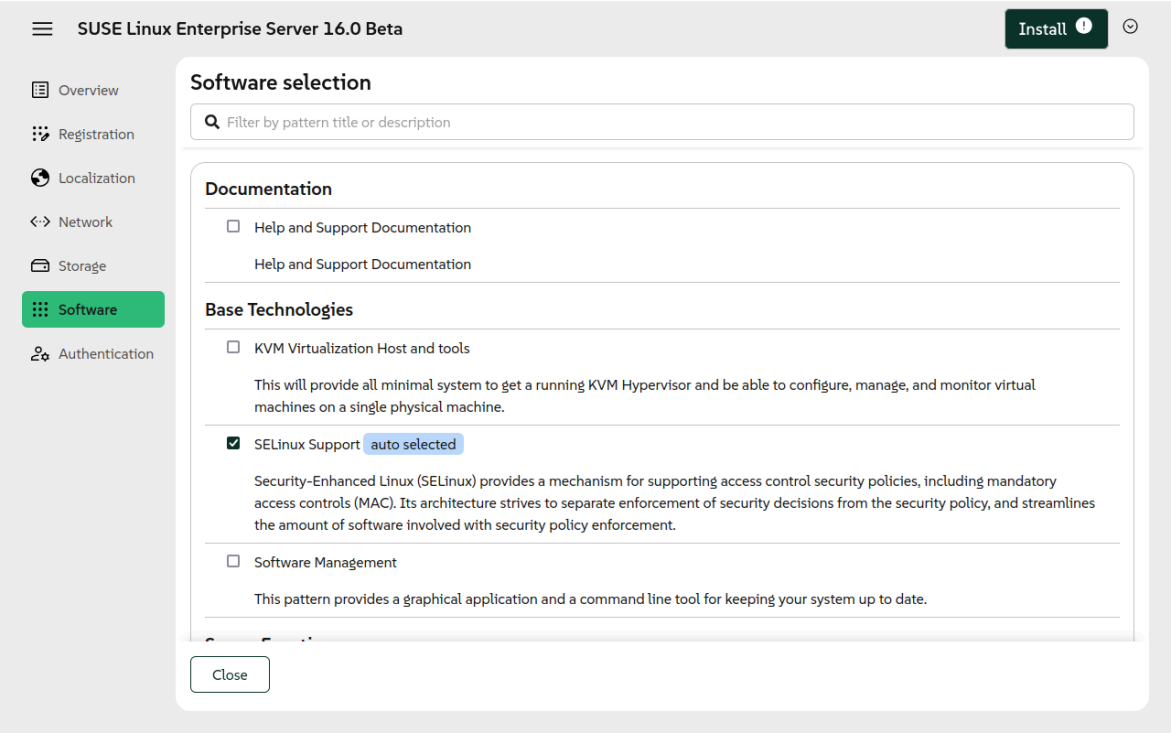
既存パーティションの縮小
: データは保持されますが、現在のパーティションは必要に応じて縮小されます。

使用可能スペースの使用
: データは保持されます。どのパーティションにも割り当てられていないスペースのみが使用されます。

カスタム
: 各パーティションの処理を選択します。

個々のパーティションを編集するには、>をクリックしてパーティションとファイルシステムセクションを展開し、Btrfsスナップショット、ブートオプションを設定し、フルディスク暗号化(FDE)を有効にすることができます。

12. (オプション) KVMハイパーバイザーやCockpitシステム管理サービスなど、インストールするソフトウェアを追加します。

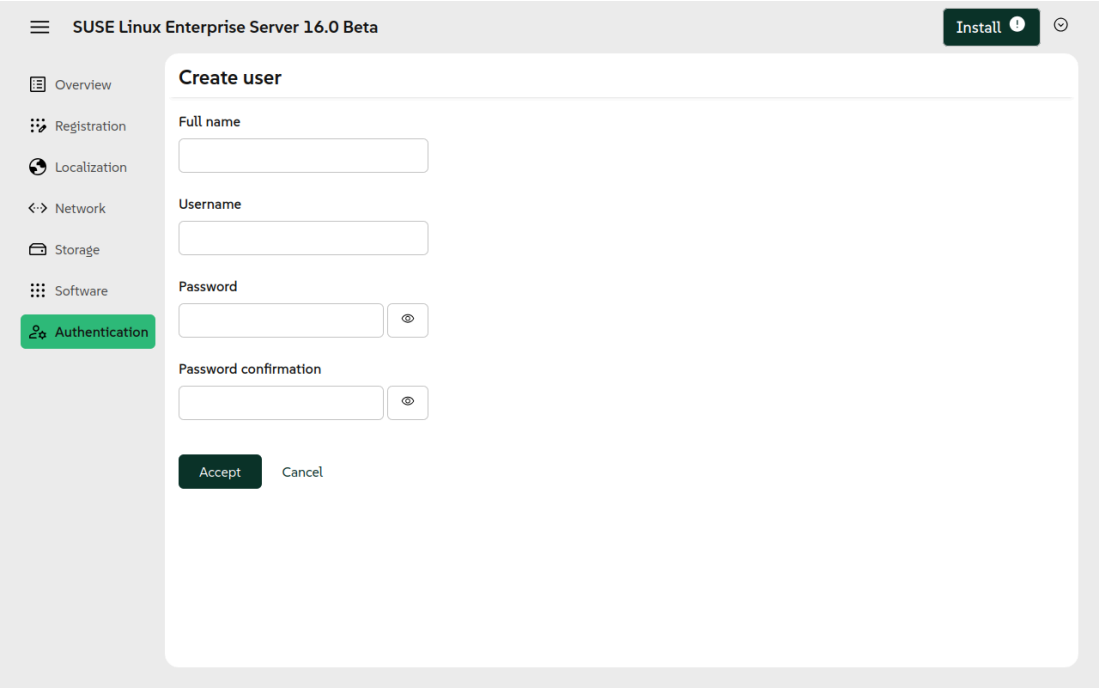


13. 認証を設定します。

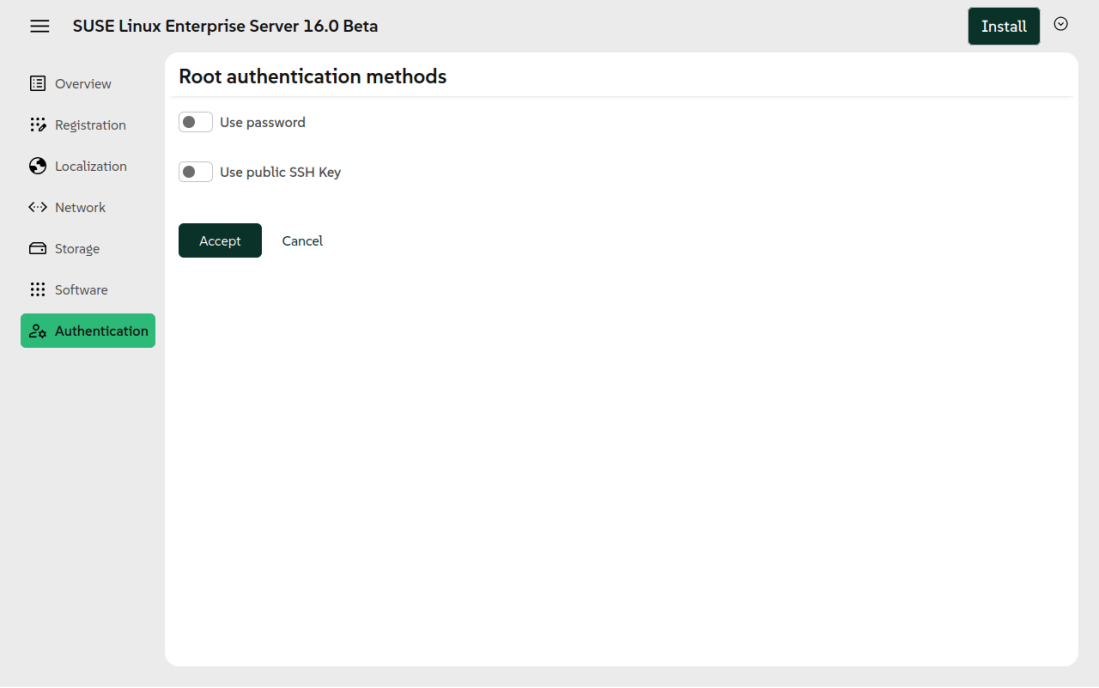
重要: SSHrootアクセス不可

rootのSSHアクセスはデフォルトで無効になっています。そのため、システムユーザを作成することを強くお勧めします。最初のシステムユーザには**sudo**特権が自動的に付与され、Cockpitへのアクセスにも使用できます。

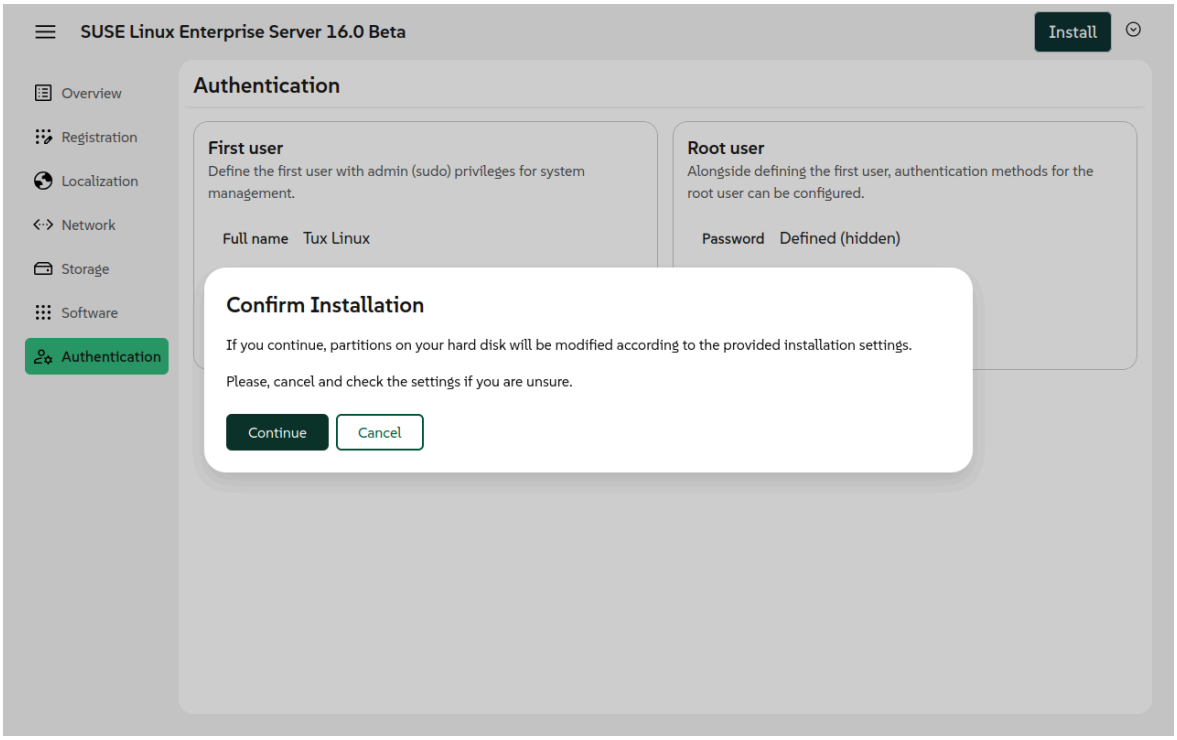
a. 非rootユーザを作成します。今すぐユーザを設定するをクリックし、ユーザ名とパスワードなどの詳細を入力します。



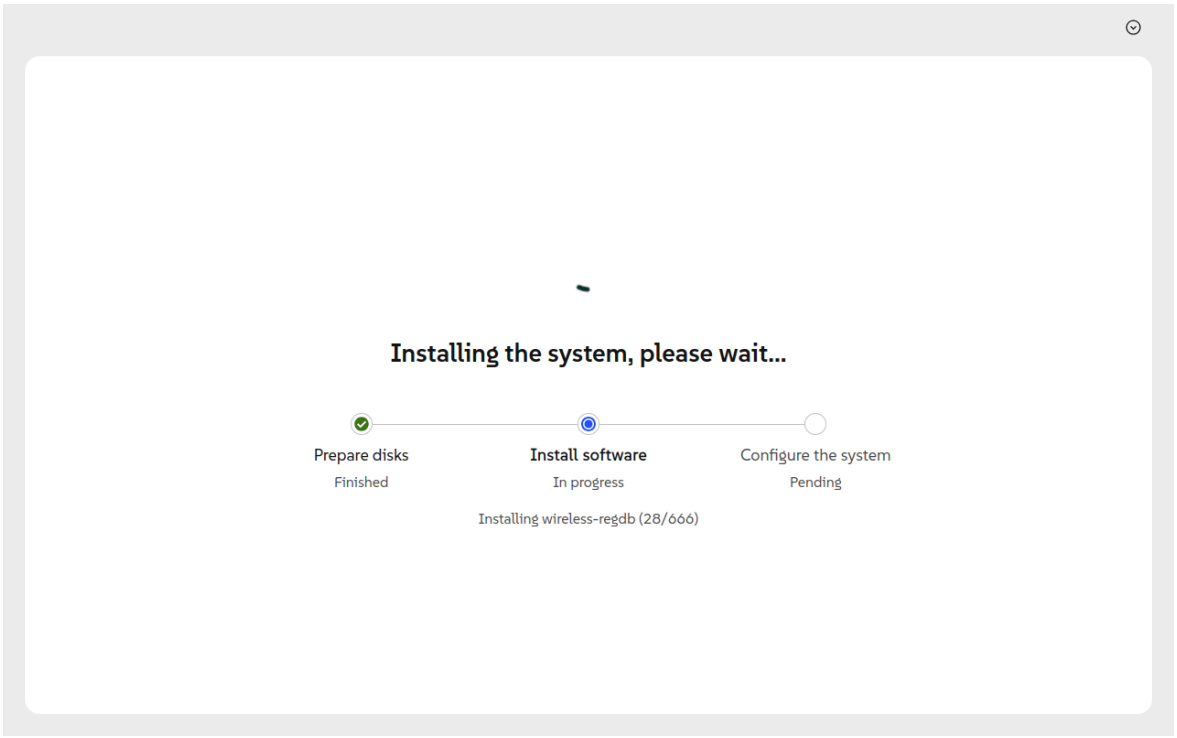
b. `root`の認証方法を設定します。安全なパスワード、SSH公開鍵、またはその両方を使用できます。



14. インストールをクリックして確認し、インストールを開始します。



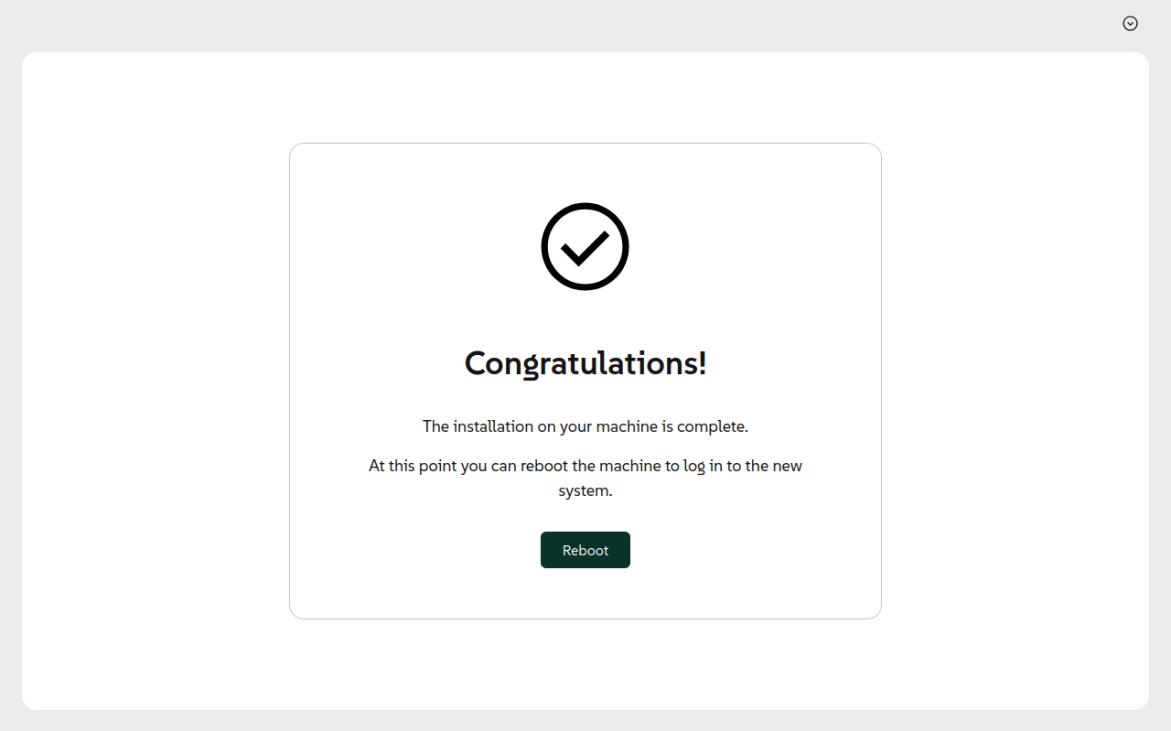
15. システムのインストールが完了するまで待ちます。インストールが完了するまで30分ほどかかります。



ヒント: インストールログ

ウィンドウ右上隅にある矢印メニューを使用して、ログとシステムメッセージを表示できます。

16. インストールが完了したら、再起動を選択します。

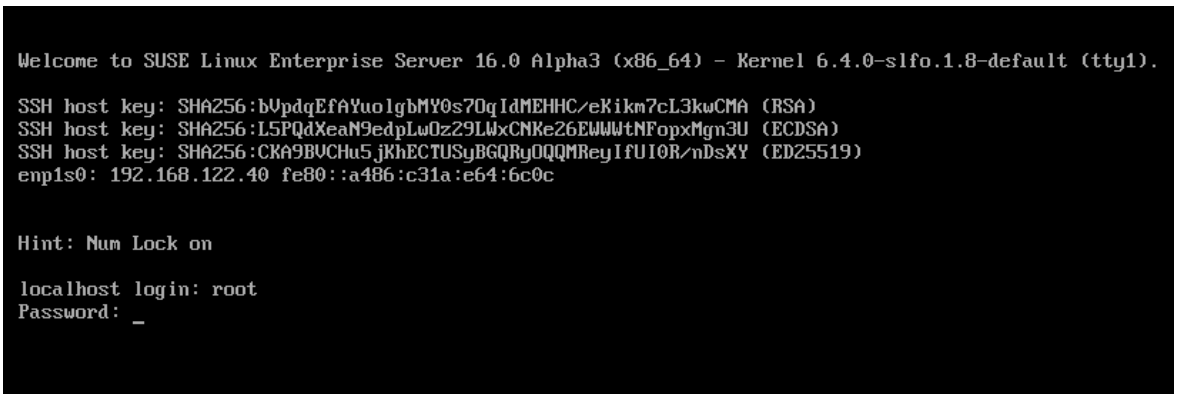


2.4 まとめ

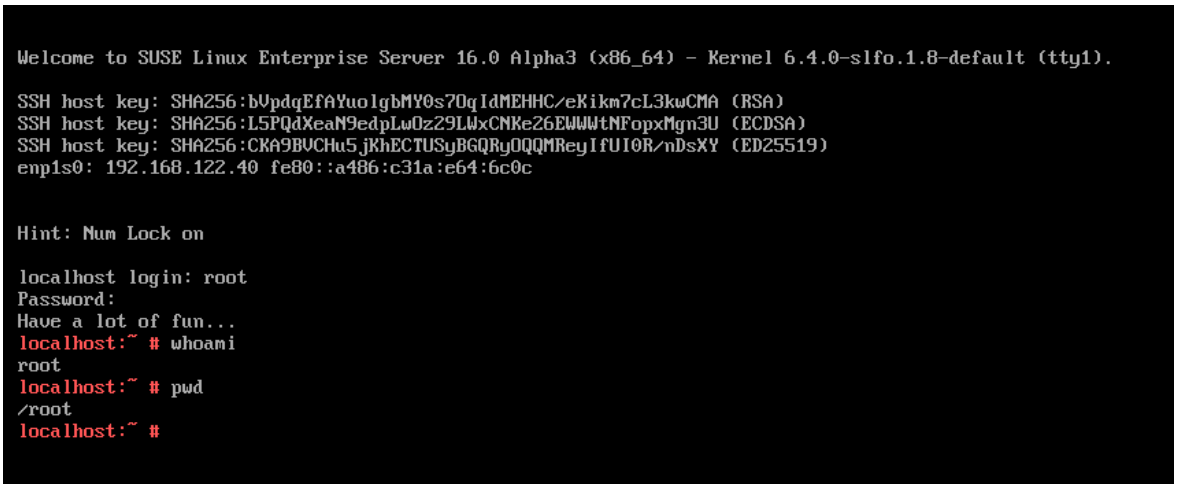
設定チェック、製品登録、インストール、再起動が正常に完了したら、ログインしてシステムを利用できることを確認します。

手順 2: インストール後のシステムの確認

1. システムにrootとしてログインします。



2. システムが期待どおりに動作していることを確認するには、いくつかの基本的なコマンドを実行します。



3 詳細情報

関連トピックの詳細については、次のリソースを参照してください。

- Agamaオープンソースプロジェクトのドキュメント:https://agama-project.github.io/docs
- POWERにLinuxをインストールするためのIBMクイックスタートガイド: https://www.ibm.com/docs/en/linux-on-systems?topic=servers-quick-start-guides-installing-linux
- 仮想DVD (vDVD)を使用してPowerVM LPARにLinuxをインストールするためのIBMの手順:https://www.ibm.com/docs/en/linux-on-systems?topic=aim-installing-linux-powervm-lpar-by-using-virtual-dvd-vdvd

4 法的事項

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