

## SUSE Linux Enterprise Server 12 SP5

# 安装快速入门

## SUSE Linux Enterprise Server 12 SP5

列出系统要求，并指导您从 DVD 或 ISO 映像逐步安装 SUSE Linux Enterprise Server。

按照以下过程安装新版 SUSE® Linux Enterprise Server 12 SP5。本文简要介绍了如何使用默认配置安装适用于 AMD64/Intel 64 体系结构的 SUSE Linux Enterprise Server。

出版日期： March 20, 2025

## 目录

- 1 欢迎安装 SUSE Linux Enterprise Server 2
- 2 法律声明 16
- 3 GNU Free Documentation License 17

# 1 欢迎安装 SUSE Linux Enterprise Server

有关更详细的安装指导和部署策略，请参见 上的 SUSE Linux Enterprise Server <https://documentation.suse.com/> 文档。

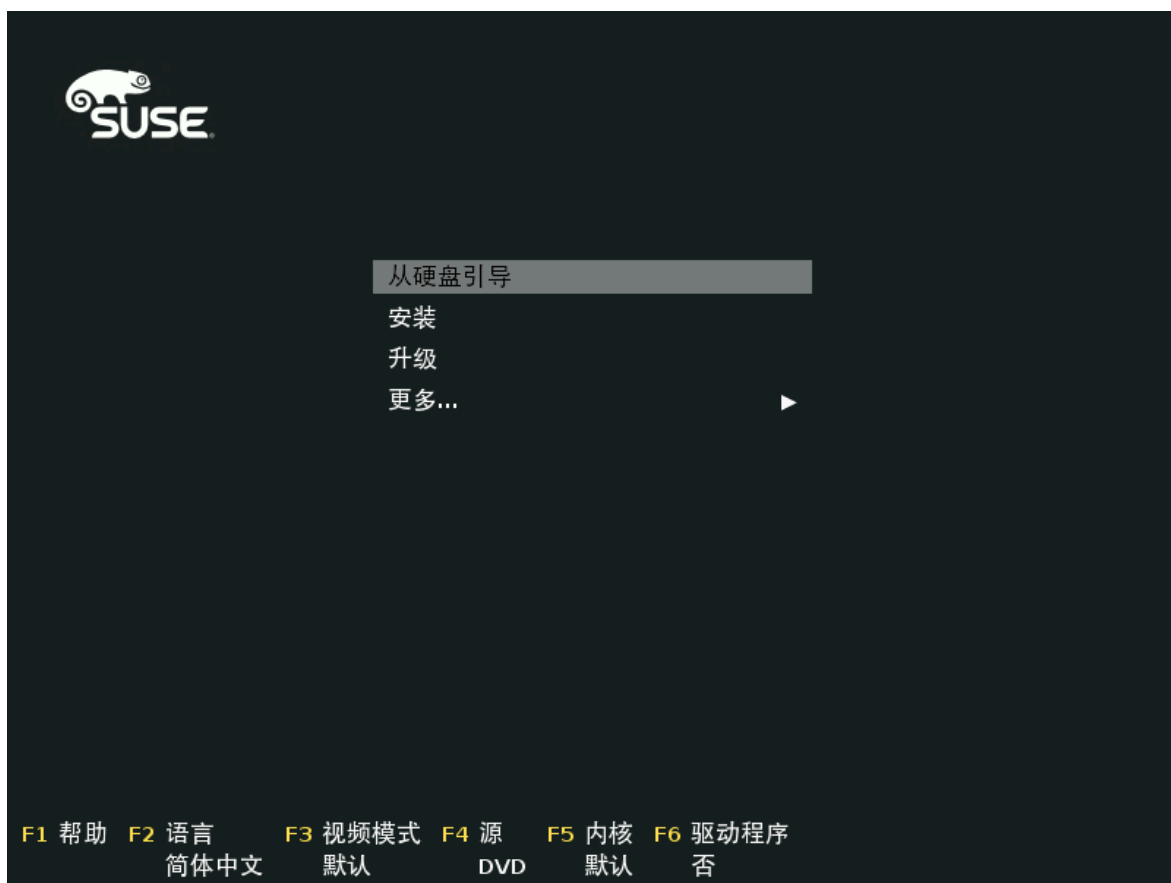
## 1.1 最低系统要求

- 任何 AMD64/Intel® EM64T 处理器（不支持 32 位处理器）
- 512 MB 物理 RAM（建议 1 GB 或更多）
- 3.5 GB 可用磁盘空间（建议更多）
- 800 x 600 显示器分辨率（建议 1024 x 768 或以上）

## 1.2 安装 SUSE Linux Enterprise Server

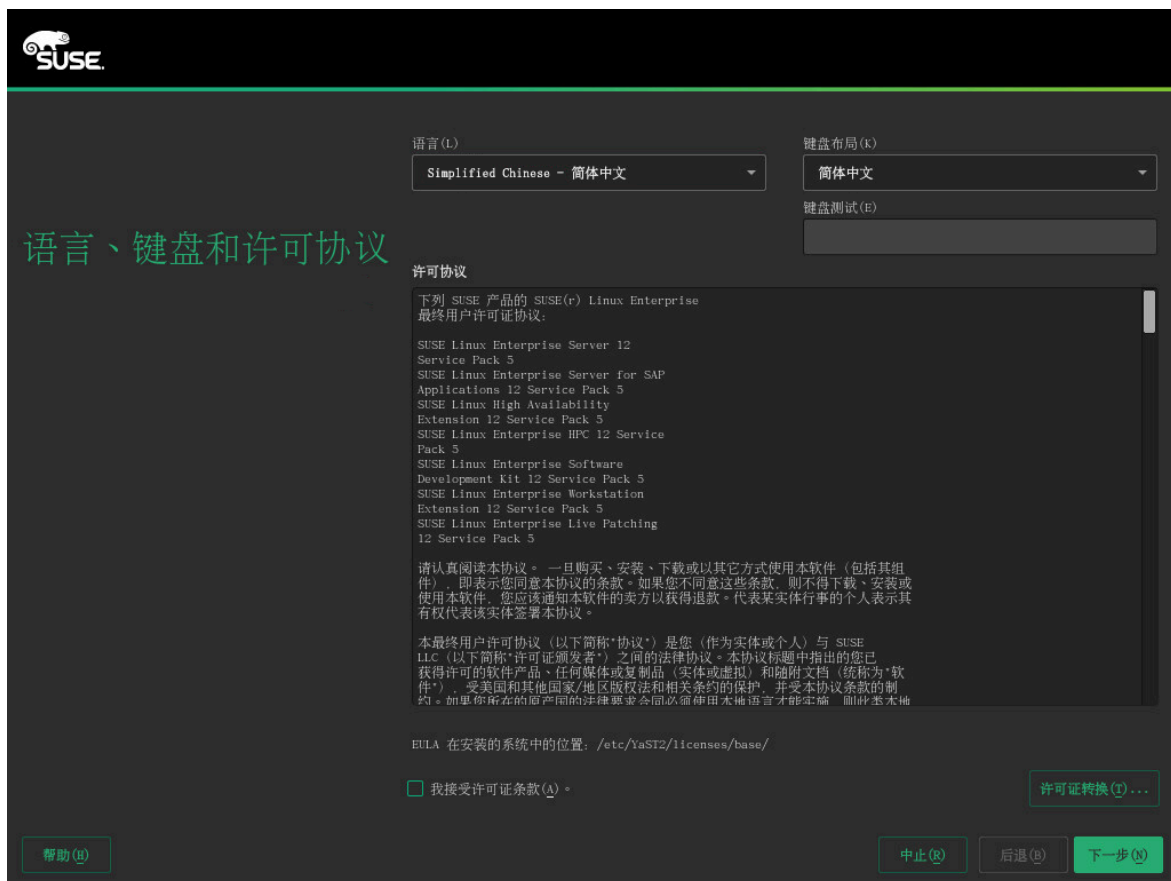
如果计算机上没有安装 Linux 系统或要替换现有的 Linux 系统，请遵循这些指导。

1. 将 SUSE Linux Enterprise Server DVD 插入驱动器，然后重引导计算机以启动安装程序。  
在使用传统 BIOS 的计算机上，您会看到如下所示的图形引导屏幕。在配有 UEFI 的计算机上，将使用略有不同的引导屏幕。UEFI 计算机支持安全引导。  
按 **F2** 可更改安装程序的语言。系统会自动选择相应的键盘布局。有关更改引导选项的更多信息，请参见《部署指南》，第 6 章“使用 YaST 进行安装”，第 6.2.2.1 节“配有传统 BIOS 的计算机上的引导屏幕”或《部署指南》，第 6 章“使用 YaST 进行安装”，第 6.2.2.2 节“配有 UEFI 的计算机上的引导屏幕”。

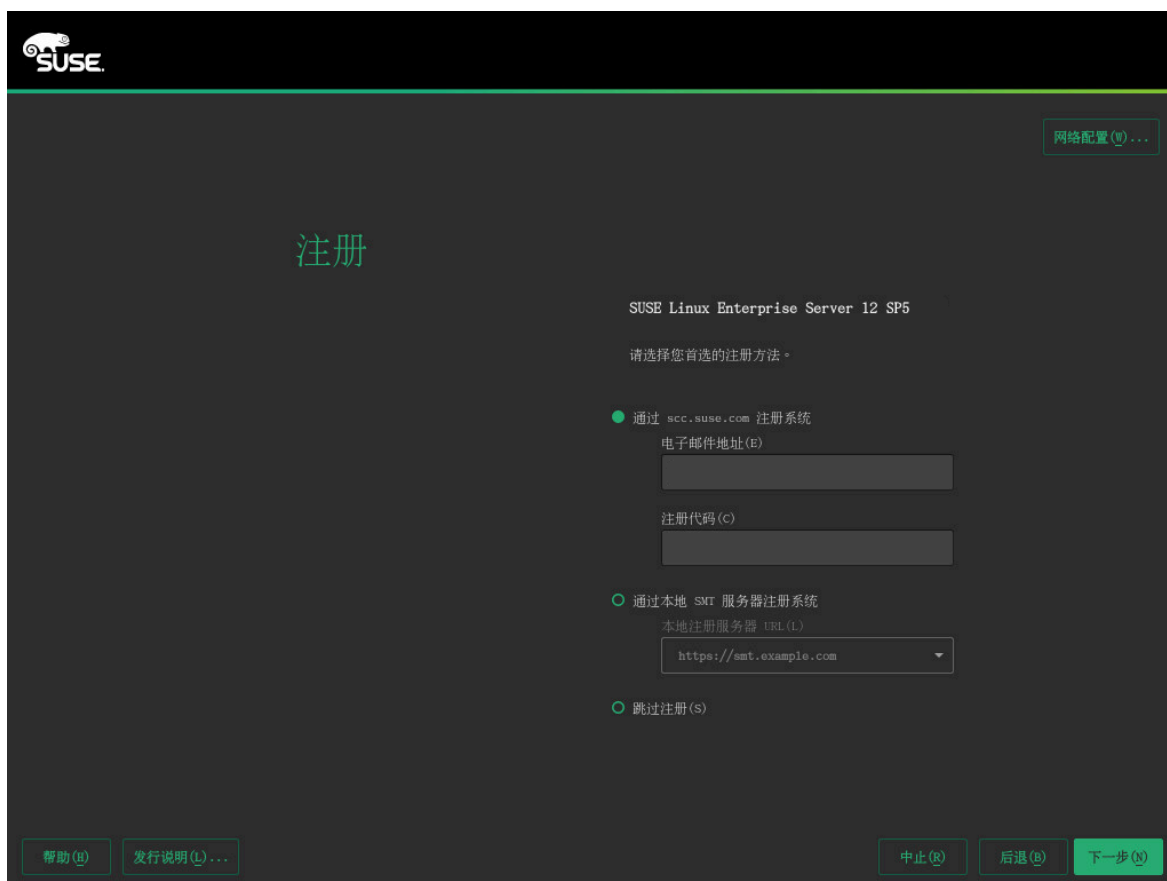


2. 在引导屏幕中选择安装，然后按 **Enter** 键。这会引导系统并装载 SUSE Linux Enterprise Server 安装程序。
3. 语言和键盘布局会根据您在引导屏幕上选择的语言设置进行初始化。如果需要，可以在此处更改它们。

阅读许可协议。此内容以您在引导屏幕上选择的语言显示。我们提供了许可证译文版本。您需要选中我接受许可证条款接受该协议，才能安装 SUSE Linux Enterprise Server。单击下一步继续。



4. 随后会进行系统分析，在此过程中，安装程序会探测储存设备，并尝试查找其他安装的系统。如果在启动安装系统时无法自动配置网络，网络设置对话框将会打开。  
至少已有一个网络接口已配置完毕后，您才能将您的系统注册到 SUSE Customer Center (SCC)。输入与您的 SCC 帐户关联的电子邮件地址以及 SUSE Linux Enterprise Server 的注册代码。成功注册产品是您获取产品更新和有权获得技术支持的前提。单击下一步继续。



### 提示：在安装时安装产品增补程序

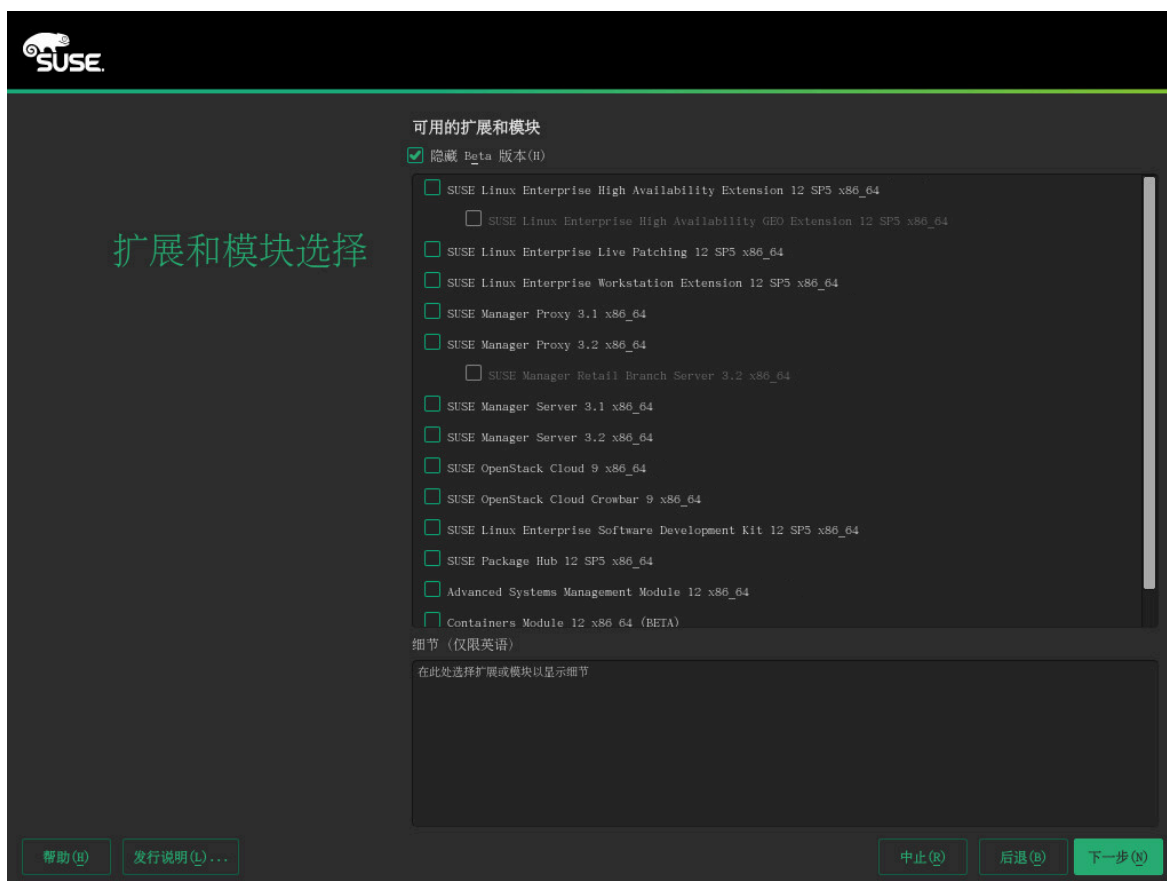
如果 SUSE Linux Enterprise Server 已成功注册到 SUSE Customer Center，系统会在安装期间询问您是否安装最新的可用联机更新。如果您选择是，最新的包将随系统一起安装，如此便不必在安装后应用更新。建议激活此选项。



### 注意：发行说明

从此步骤开始，可以通过选择发行说明在安装过程中的任一屏幕上查看发行说明。

5. 系统成功注册后，YaST 会列出 SUSE Customer Center 上可用于 SUSE Linux Enterprise Server 的模块和扩展。该列表包含免费模块（如 SUSE Linux Enterprise SDK）或需要付费购买注册密钥的扩展。单击一项可查看其说明。（选择性）您可以激活某个模块或扩展的选中标记来选择安装它。单击下一步继续。



## 扩展和模块选择

6. 附加产品对话框可让您向 “SUSE Linux Enterprise Server” 添加不是由 SUSE Customer Center 提供的其他软件源（即储存库）。此类附加产品可以包括第三方产品和驱动程序，或适用于您系统的其他软件。

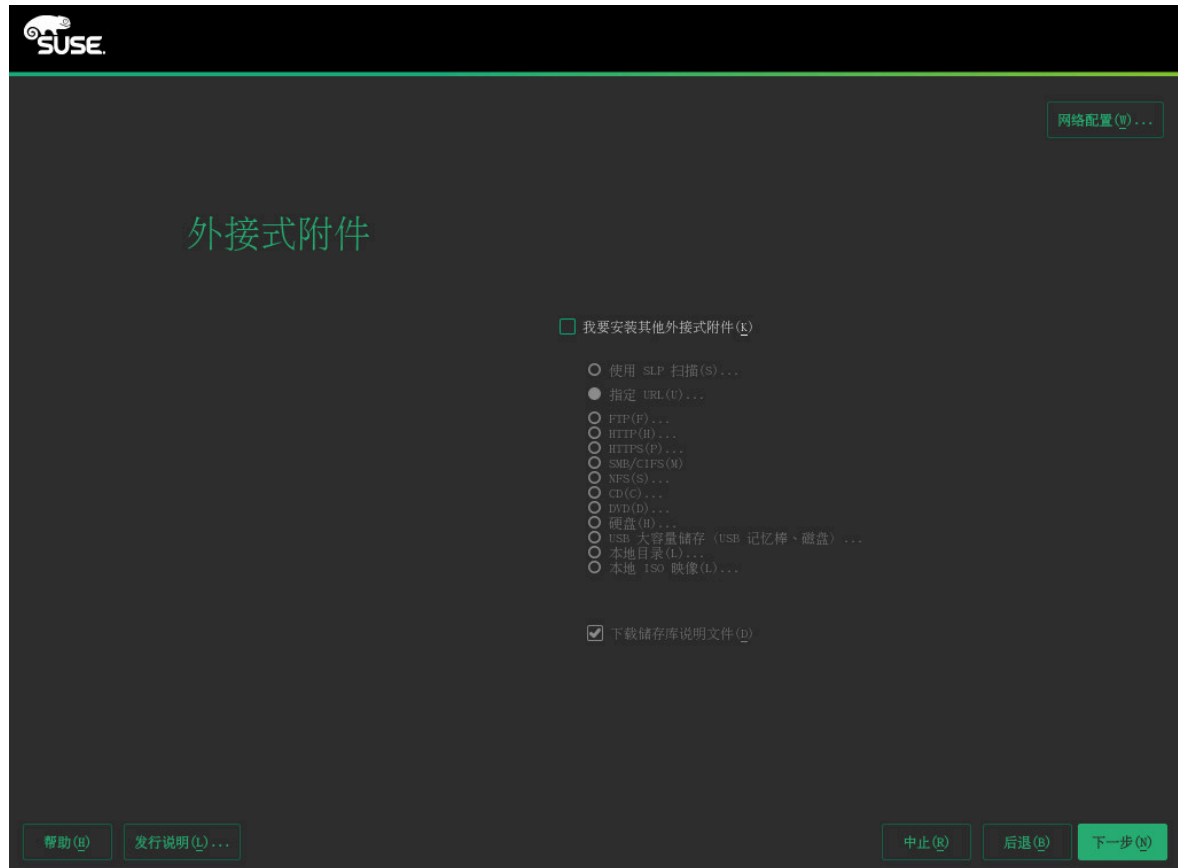


### 提示：在安装过程中添加驱动程序

您还可以通过附加产品对话框添加驱动程序更新储存库。<http://drivers.suse.com/> 上会提供 SUSE Linux Enterprise 的驱动程序更新。这些驱动程序已通过 SUSE SolidDriver Program 创建。

如果要跳过此步骤，请单击下一步继续。否则，请激活我要安装附加产品。请指定媒体类型、本地路径或托管储存库的网络资源，然后按照屏幕上的指导操作。

选中下载安装源描述文件可立即下载用于描述安装源的文件。如果不激活，系统将在安装启动后下载它们。单击下一步继续，并根据需要插入媒体。根据产品内容，可能必须接受附加许可协议。单击下一步继续。如果您选择安装需要注册密钥的附加产品，在扩展和模块注册代码页面，您将需要输入注册密钥。



7. 选择最符合您要求的系统角色。为物理计算机或虚拟 Guest 选择默认系统。对于可以运行其他虚拟机的虚拟化主机，请选择 KVM 虚拟化主机或 XEN 虚拟化主机。



8. 查看系统建议的分区设置。如果需要，可以更改它们。您可以选择以下选项：

#### 编辑建议设置

可让您更改建议设置的选项，而非建议的分区布局本身。

#### 创建分区设置

选择要应用建议的磁盘。

#### 专家分区程序

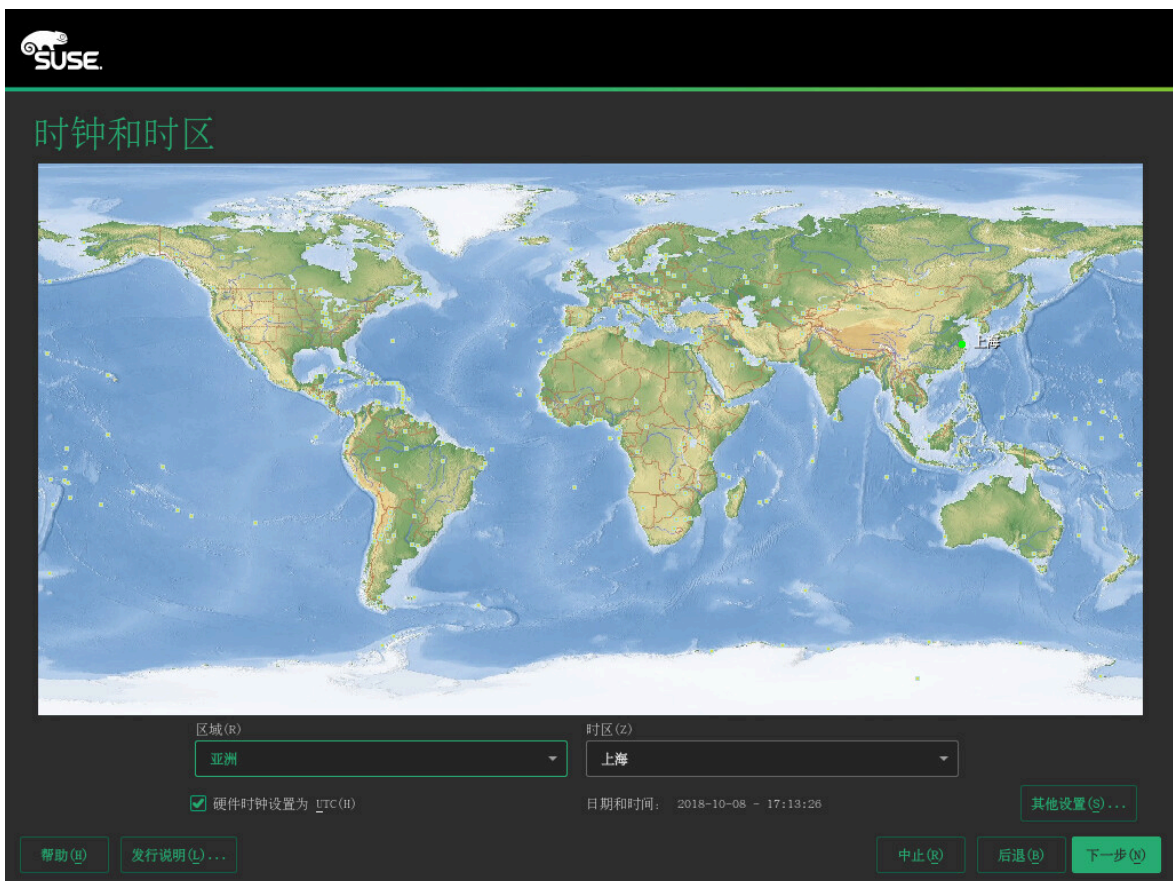
打开专家分区程序，如《部署指南》，第 12 章“高级磁盘设置”，第 12.1 节“使用 YaST 分区程序”中所述。

要接受建议的设置而不做任何改动，请选择下一步继续。





9. 选择系统使用的时钟和时区。要手动调整时间或配置 NTP 服务器以保持时间的同步，请选择其他设置。有关详细信息，请参见《部署指南》，第 6 章“使用 YaST 进行安装”，第 6.12 节“时钟和时区”。单击下一步继续。



10. 要创建本地用户，请在用户的完整名称字段中输入姓氏和名称，在用户名字段中输入登录名，在口令字段中输入口令。

口令至少为 8 个字符，而且应包含大小写字母及数字。口令最长为 72 个字符，区分大小写。

出于安全考虑，强烈建议您**不要**启用自动登录。此外，也**不应**对系统管理员使用此口令，而应在安装的下一步中提供一个单独的 root 口令。单击下一步继续。



## 本地用户

● 创建新用户 (C)

用户的完整名称 (F)

用户名 (U)

口令 (P)

确认口令 (O)

☐ 对系统管理员使用此口令 (S)

☐ 自动登录 (A)

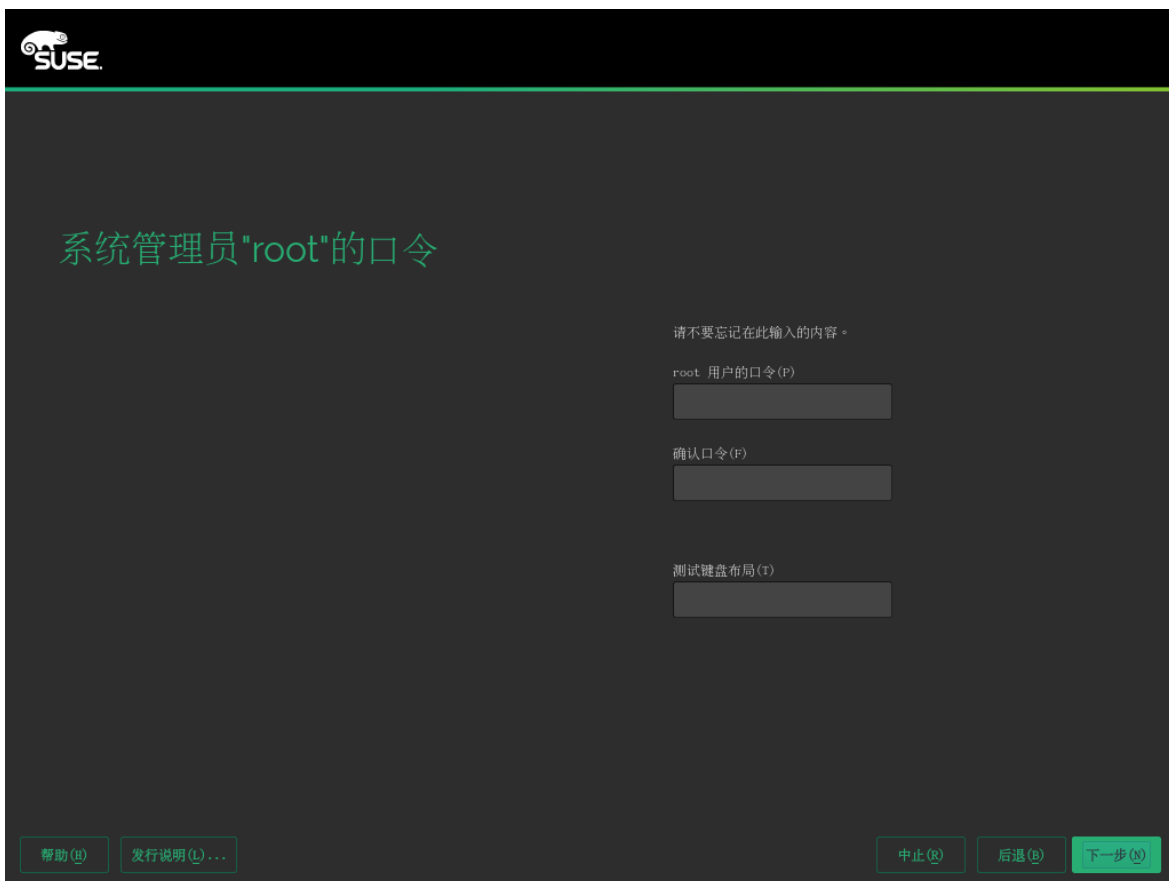
○ 从先前的安装导入用户数据 (I)

未选择任何用户

○ 跳过用户创建 (S)

**11.** 输入系统管理员帐户（称为 root 用户）的口令。

千万不要忘记 root 口令！您在此处输入之后，就不能检索该口令。有关详细信息，请参见《部署指南》，第 6 章 “使用 YaST 进行安装”，第 6.14 节 “系统管理员 root 的密码”。单击下一步继续。



12. 使用安装设置屏幕查看并根据需要更改若干建议的安装设置。每个设置的当前配置都在此处列出。要进行更改，请单击标题。有些设置（如防火墙或 SSH）可以直接通过单击相应链接更改。



### 提示：远程访问

此处可更改的设置也可以日后在安装的系统中加以更改。不过，如果您在安装后需要马上进行远程访问，此时应根据需要调整安全性设置。

### 软件

默认的软件范围包括基本系统和带有 GNOME 桌面的 X Window。单击软件会打开软件选择和系统任务屏幕，您可在此处选择或取消选择某些模式来更改软件选择。每个模式都包含特定功能（例如，Web 和 LAMP 服务器或打印服务器）所需的几个软件包。如果想查看要安装软件包的更为详细的选择，请选择细节切换到 YaST 软件管理器。有关详细信息，请参见《部署指南》，第 13 章“安装或删除软件”。

## 引导

此部分显示引导加载程序配置。建议您仅在确实需要时才更改默认设置。有关详细信息，请参见《管理指南》，第 12 章“引导加载程序 GRUB 2”。

## 安全性

CPU 缓解措施是指为防御 CPU 边信道攻击而部署的软件缓解措施对应的内核引导命令行参数。单击高亮显示的条目可选择其他选项。有关细节，请参见《管理指南》，第 12 章“引导加载程序 GRUB 2” CPU 缓解措施。

默认情况下，系统会对为外部区域配置的活动网络接口启用防火墙。有关配置细节，请参见《Security and Hardening Guide》，第 16 章“Masquerading and Firewalls”，第 16.4 节“SuSEfirewall2”。

SSH 服务默认处于禁用状态，其端口 (22) 也会关闭。因此，默认情况下，您无法进行远程登录。单击启用并打开可切换这些设置。

## Kdump

如果发生内核崩溃，Kdump 可将内存映像（“内核转储”）保存到文件系统中。如此，您便可以通过调试转储文件来查找崩溃原因。Kdump 已预先配置好，默认处于启用状态。有关详细信息，请参见《System Analysis and Tuning Guide》，第 17 章“Kexec and Kdump”，第 17.7 节“Basic Kdump Configuration”。

## 默认 Systemd 目标和服务

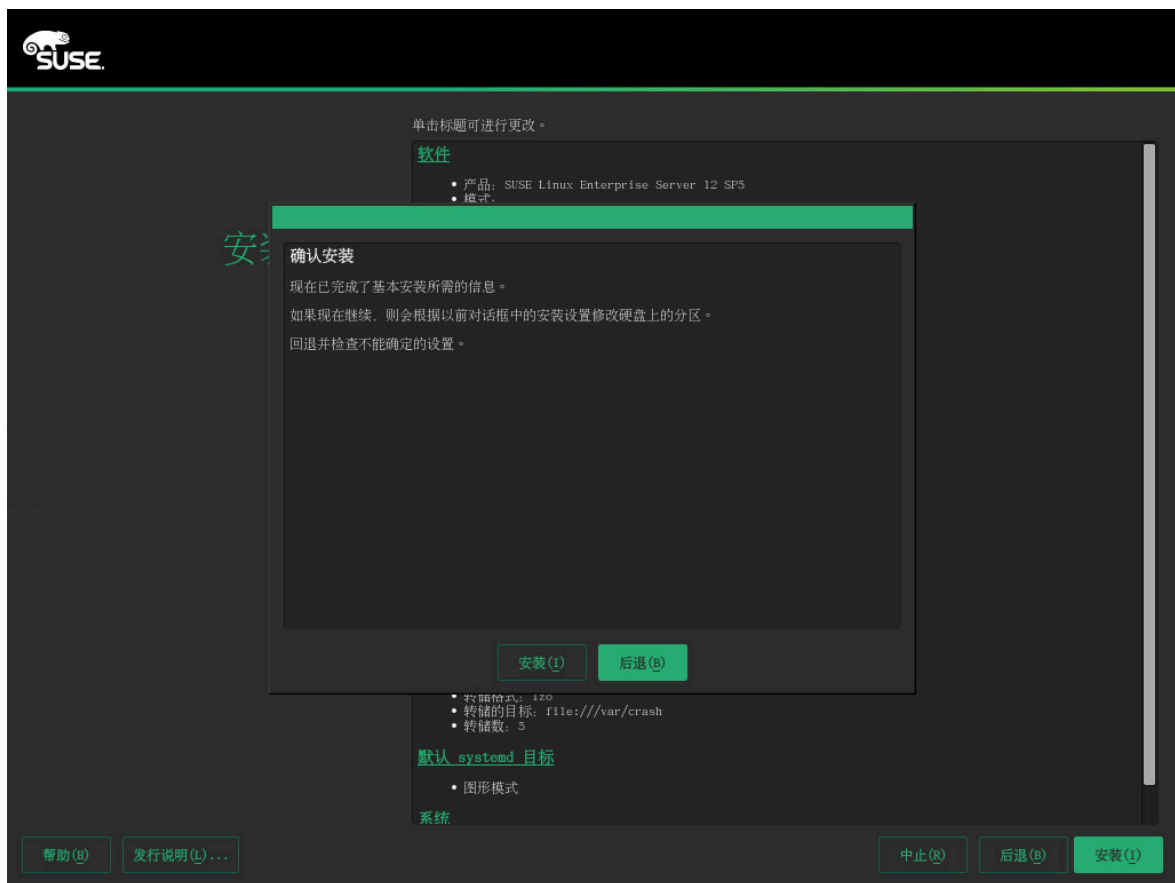
默认情况下，系统会引导至图形目标，具有联网、多用户和显示管理器支持。如果您不需要通过显示管理器登录，请切换到多用户。

## 系统

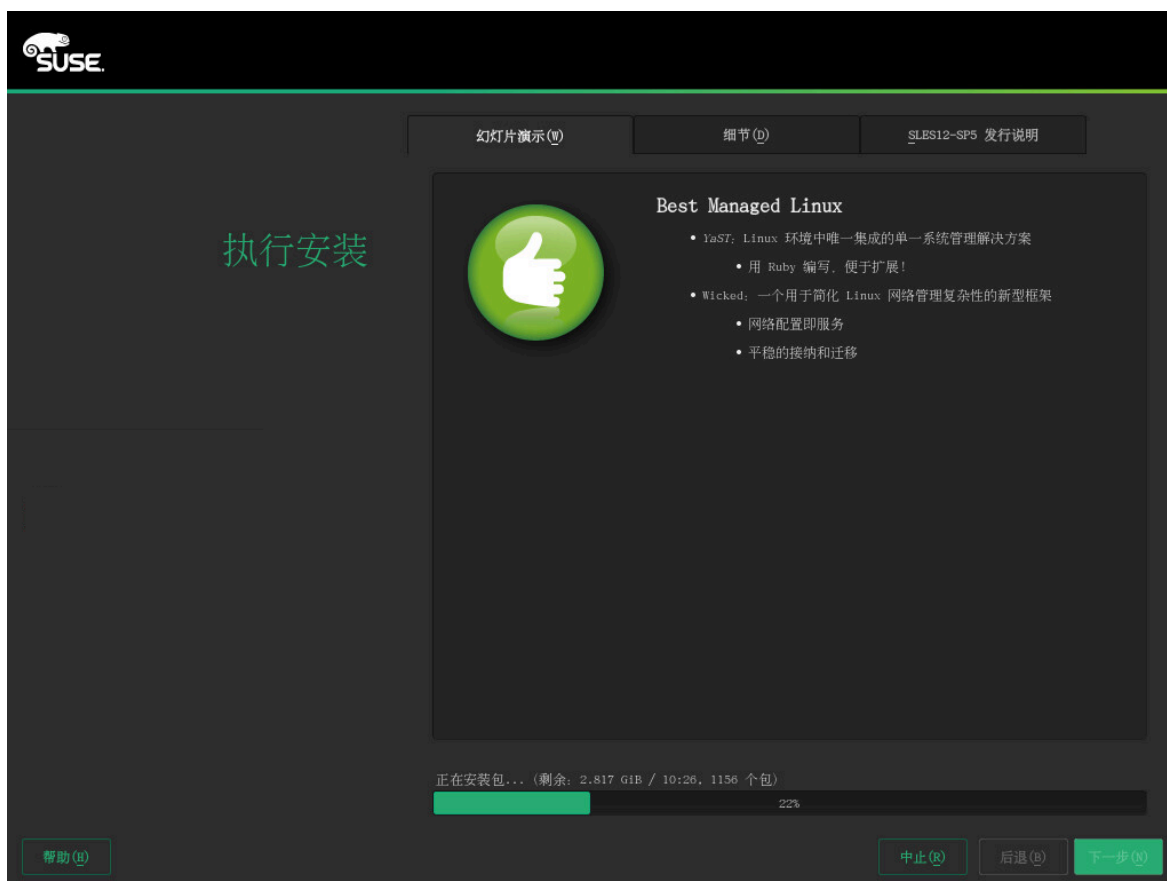
单击系统可查看详细的硬件信息。在随后显示的屏幕中，还可以更改内核设置，有关更多信息，请参见《部署指南》，第 6 章“使用 YaST 进行安装”，第 6.15.8 节“系统信息”。



13. 在安装设置屏幕上确定了系统配置后，单击安装。根据您做的软件选择，您可能需要同意许可协议，安装确认屏幕才会弹出。到目前为止，我们还未对您的系统进行任何更改。当您再次单击安装后，安装过程即会开始。



14. 安装期间, 细节选项卡中会显示详细的安装进度。



15. 安装例程完成后，计算机会重引导至安装的系统。登录并启动 YaST 以微调系统。如果您使用的不是图形桌面或者正通过远程方式工作，请参考《管理指南》，第 5 章“文本方式的 YaST”获得有关从终端使用 YaST 的信息。

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