



Linux のインストール

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内部ドライブへの Linux のインストール

この手順では、Cisco UCS Manager GUI および **KVM Console** を使用して、Red Hat Enterprise Linux (RHEL) または SUSE Linux Enterprise Server (SLES) を内部ドライブにインストールする方法について説明します。

はじめる前に

- Make sure you have completed the prerequisites described in [Installation Prerequisites Checklist](#) and [Service Profile Configuration Prerequisites](#).
- If the hard drive in the server does **not** use the Itanium (ia64) architecture, make sure that it uses DOS MBR partitioning format for its boot device.

RHEL 4 and 5 provide support for drives that are larger than 2.2TB through the alternative partitioning scheme GUID partition table (GPT). However, the legacy PC BIOS is unable to boot off of GPT-partitioned disks and so the boot disk must use the DOS MBR partition table if it does not use the Itanium (ia64) architecture.

手順

- ステップ 1** If you are installing the OS or drivers from virtual media, launch the **KVM Console** and mount the media as described in [Mounting the Installation ISO Image](#).
- ステップ 2** Power cycle the server using one of the following methods:
- In the **KVM Console**, go to the KVM tab and select Macros > Ctrl-Alt-Del.

- In Cisco UCS Manager GUI, click Reset in the Actions area of the General tab.
- On the physical server, press the Power button.

ヒント If the server does not boot from the installation media, verify that the correct boot order is set in the associated service profile as described in [Service Profile Configuration Prerequisites](#).

ステップ 3 To override the normal boot order and boot from the installation media, in the KVM tab of the **KVM Console**, watch the boot messages and press F6 when prompted to enter the Boot Menu.

ステップ 4 On the Boot Menu screen, do one of the following:

- If you are using an ISO image, select Cisco Virtual CD/DVD and press Enter.
- If you are using a physical install disk, select the disk drive in which that disk resides and press Enter.

The server reboots from the selected device and begins installing the OS from the image or disk.

ステップ 5 When the installation splash screen displays, press Enter to install Linux in graphical mode.

ステップ 6 Complete the installation according to the requirements and standards of your company by continuing to monitor the installation progress and answering prompts as required. After the installation is complete, the installer software ejects any physical disks, unmaps any virtual drives, and reboots the server again. The installation target that is first in the boot order is booted with the OS.

For information about customizing the OS, see your OS documentation.

ブート可能 SAN LUN への Linux のインストール

ここでは、Cisco UCS Manager GUI と **KVM Console** を使用して、ブート可能 SAN LUN の論理ディスクまたは RAID ボリュームに Red Hat Enterprise Linux (RHEL) または SUSE Linux Enterprise Server (SLES) をインストールする方法について説明します。

はじめる前に

- Make sure you have completed the prerequisites described in [Installation Prerequisites Checklist](#) and [Service Profile Configuration Prerequisites](#).
- Configure a LUN or RAID volume on your SAN, then connect to the SAN and verify that one (and only one) path exists from the SAN HBA to the LUN.

手順

ステップ 1 If you are installing the OS or drivers from virtual media, launch the **KVM Console** and mount the media as described in [Mounting the Installation ISO Image](#).

ステップ 2 Power cycle the server using one of the following methods:

- In the **KVM Console**, go to the KVM tab and select Macros > Ctrl-Alt-Del.
- In Cisco UCS Manager GUI, click Reset in the Actions area of the General tab.

- On the physical server, press the Power button.

ヒント If the server does not boot from the installation media, verify that the correct boot order is set in the associated service profile as described in [Service Profile Configuration Prerequisites](#).

ステップ 3 To override the normal boot order and boot from the installation media, in the KVM tab of the **KVM Console**, watch the boot messages and press F6 when prompted to enter the Boot Menu.

ステップ 4 On the Boot Menu screen, do one of the following:

- If you are using an ISO image, select Cisco Virtual CD/DVD and press Enter.
- If you are using a physical install disk, select the disk drive in which that disk resides and press Enter.

The server reboots from the selected device and begins installing the OS from the image or disk.

ステップ 5 When the installation splash screen displays, press Enter to install Linux in graphical mode.

ステップ 6 最初のインストール画面の [boot] プロンプトに、カーネル モディファイア コマンドを入力します。
boot: linux pci=noms i mpath

ステップ 7 インストール番号の入力を求めるメッセージが表示されたら、その手順をスキップし、インストールを続行します。

ステップ 8 メッセージが表示されたら、[upgrade] ではなく [install] を選択します。

ステップ 9 [Partitioning] ダイアログボックスが表示されたら、次の手順を実行します。

- a) プルダウンメニューから [Remove all partitions on selected drives and create default layout] を選択します。
- b) チェックボックスをオフにして [sda] を無効にします。
- c) [Review and modify partitioning layout] を選択します。
- d) [Next] をクリックして続行し、[Yes] をクリックして選択内容を確認します。

ステップ 10 パーティションのレイアウトを確認して変更するか、[Next] をクリックして続行します。

ステップ 11 ブートローダ構成のメッセージが表示されたら、[Configure advanced boot loader options] を選択し、[Next] をクリックします。

ステップ 12 メッセージが表示されたら、[Change Drive Order] をクリックします。

ステップ 13 [Edit Drive Order] 画面で、/dev/mapper/mpath0 をリストの一番上に移動し、[OK] をクリックします。

ステップ 14 Complete the installation according to the requirements and standards of your company by continuing to monitor the installation progress and answering prompts as required.
After the installation is complete, the installer software ejects any physical disks, unmaps any virtual drives, and reboots the server again. The installation target that is first in the boot order is booted with the OS.

For information about customizing the OS, see your OS documentation.

Installing Linux Using a PXE Network Environment

This section describes how to boot RHEL or SLES from a PXE network environment using Cisco UCS Manager GUI and the **KVM Console**.

はじめる前に

- Make sure you have completed the prerequisites described in [Installation Prerequisites Checklist](#) and [Service Profile Configuration Prerequisites](#).
- To use PXE to boot the installation media over the network:
 - Configure the network server (NFS, FTP, or HTTP) to export the installation tree.
 - Configure the files on the TFTP server that are necessary for PXE booting.
 - Configure the MAC network port address to boot from the PXE configuration.
 - Configure the Dynamic Host Configuration Protocol (DHCP) on your DHCP server.

Follow the PXE network installation instructions in the administration guide for your OS.

If you are installing Red Hat, the administration guide is available at: <http://www.redhat.com/docs/>. If you are using SUSE Linux, the administration guide is available at: <http://www.novell.com/documentation/>.

- Create a KickStart or AutoYaST image to perform the installation. This image can be burned on a physical disk or stored on a PXE server available on the network.

Follow the KickStart installation instructions in the administration guide for your OS.



(注)

KickStart is Red Hat's automated installation tool. AutoYaST is SUSE Linux's automated installation tool. These tools enable a system administrator to create a single image that contains the settings for some or all installation and configuration parameters that are normally provided during a typical installation. Typically, a pre-boot image is placed on a single network server and is read by multiple systems for installation, but you can also burn the image to a DVD if you want to install from physical media.

手順

ステップ 1 If you are installing the OS or drivers from virtual media, launch the **KVM Console** and mount the media as described in [Mounting the Installation ISO Image](#).

ステップ 2 Power cycle the server using one of the following methods:

- In the **KVM Console**, go to the KVM tab and select Macros > Ctrl-Alt-Del.
- In Cisco UCS Manager GUI, click Reset in the Actions area of the General tab.
- On the physical server, press the Power button.

ヒント If the server does not boot from the installation media, verify that the correct boot order is set in the associated service profile as described in [Service Profile Configuration Prerequisites](#).

ステップ 3 To override the normal boot order and boot from the installation media, in the KVM tab of the **KVM Console**, watch the boot messages and press F6 when prompted to enter the Boot Menu.

ステップ 4 On the Boot Menu screen, do one of the following:

- If you are using a KickStart or AutoYaST image residing on a network server, select the network adapter that is configured to communicate with your PXE network install server and press Enter.
- If you are using a physical install disk, select the disk drive in which that disk resides and press Enter.

The server reboots from the selected device and begins installing the OS from the image or disk.

ステップ 5 Complete the installation according to the requirements and standards of your company by continuing to monitor the installation progress and answering prompts as required. After the installation is complete, the installer software ejects any physical disks, unmaps any virtual drives, and reboots the server again. The installation target that is first in the boot order is booted with the OS. For information about customizing the OS, see your OS documentation.
