

Installing Linux OS using IBM ServerGuide Scripting Toolkit, Linux Edition (LTK)

Prerequisites:

1. Target server. Make sure that the target system is supported by ServerGuide. You can find target servers that are supported by ServerGuide are listed at the following site:
<http://www-947.ibm.com/support/entry/portal/docdisplay?Indocid=SERV-TOOLKIT>
2. Source server. Refer to hardware and software requirements for the source server in the *IBM ServerGuide Scripting Toolkit, Linux Edition, User's Reference* to determine if the source server meets the requirements for ServerGuide. The *User's Reference* is available at the following site:
<http://www-947.ibm.com/support/entry/portal/docdisplay?Indocid=MIGR-5089004>
3. An image of the Linux operating system, which can be on a CD-ROM/DVD or on the network.

Steps:

The LTK uses a console to simplify the steps in creating, customizing, and deploying hardware configurations and Linux OS. Using LTK, you can create a bootable image (ISO, USB key, or PXE boot image) on the source server to support RAID configuration, Fibre Channel Host Bus Adapters configuration and automated deployment of supported Linux operating systems.. Typically, you would complete the following steps:

Note: More instructions about using LTK can be found in the *IBM ServerGuide Scripting Toolkit, Linux Edition, User's Reference*.

1. Download and install the LTK on the source server. You can download the LTK RPM package from the following site:
<http://www-947.ibm.com/support/entry/portal/docdisplay?Indocid=SERV-TOOLKIT>
2. Start the LTK console. Start the console by executing the following command:
`/opt/ibm/sgtk/sgtklinux.sh`

The first time you use the LTK, the initial configuration wizard is displayed, which guides you through the process of acquiring the pre-installation environment, repository configuration, and network setup.

3. Optionally, import updates from the Repository | Updates menu. To include updates in the bootable image, import the appropriate UpdateXpress System Packs into your repository.
4. Optionally, import Linux operating system images from the Repository | OS images menu. To deploy operating systems, import the appropriate operating system images into your repository.

5. Optionally, create a task that will be run before the operating system is installed to the configure RAID/Fibre HBA, change system settings, or update the firmware. It is optional. The LTK provides some default customization tasks that you can use.
6. Optionally, create an operating system task to install RHEL, SLES or VMware ESX OS. The LTK provides some default operating system tasks that you can use.
7. Optionally, create a task that will be run after the operating system installation to install IBM Director Agent. To install IBM Director Agent once the operating system after the operating system is installed, create this task to import IBM Director Agent installation files.
8. Create a workflow to link desired tasks together in a sequence for unattended execution on target server. The LTK provides default workflows for RAID configuration, firmware update or system settings. To install an operating system, create a workflow to link the operating system task.
9. Create bootable media profile to associate a workflow with desired media setting.
10. Create the bootable media using the bootable media profile.