

- You may use the **apt-install** command to install packages in **%post --nochroot** scripts (although you might also choose to generate a **%packages** section in a **%pre** script and include it using **%include**). Note that this does not work if the post-installation script is run in the chroot environment.

#### 4.4.2.2. Missing features

As yet, the Ubuntu installer only supports a subset of Kickstart's features. The following is a brief summary of features that are known to be missing:

- LDAP, Kerberos 5, Hesiod, and Samba authentication.
- The **auth --enablecache** command to enable `nscd`.
- Upgrades. To upgrade from one Ubuntu release to another, use the facilities provided by `apt` and its frontends.
- Partitioning of multiple drives. Due to current limitations in the partition manager, it is only possible to partition a single drive.
- Using the **device** command to install extra kernel modules.
- Driver disks.
- Firewall configuration.
- Installation from an archive on a local hard disk or from an NFS archive.
- The **logvol --percent**, **--bytes-per-inode**, and **--fsoptions** options for certain kinds of detailed Logical Volume Management (LVM) configuration. (LVM configuration in general is experimentally supported as of Ubuntu 9.04; please let us know about your experiences with it.)
- Restrictions of a partition to a particular disk or device, and specifications of the starting or ending cylinder for a partition.
- Checking a partition for bad sectors.
- RAID configuration.
- Exclusions in **%packages** sections are no longer supported as of Ubuntu 6.10, as a casualty of other improvements. You may need to use a **%post** script instead to remove unnecessary packages.
- Pre-installation scripts and non-chrooted post-installation scripts may only be shell scripts; other interpreters are not available at this point in the installation.

#### 4.4.2.3. Example

Here is an example Kickstart file that can be used as a starting point:

```
#
#Generic Kickstart template for Ubuntu
#Platform: x86 and x86-64
#

#System language
lang en_US
```