

# How do I install Debathena manually?

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### Answer



#### Advanced Users Only

These instructions are intended for advanced users who have extensive experience maintaining a Debian or Ubuntu installation and wish to have full control over each step of the installation process.

In general, **you are strongly encouraged to install Debathena using the [installation script](#)** as described in: [How do I install Debathena on my personal computer?](#)

### Package Managers

The instructions below use `apt-get` when installing packages. While it should technically be possible to use any package manager, we have found that `aptitude`'s dependency resolver does not interact well with *multiarch* packages.

Graphical package managers, such as `adept` and `synaptic` do not easily support re-configuring the `DEBIAN_FRONTEND` environment variable. If you must use them, you may execute `dpkg-reconfigure debconf` to change the frontend to `noninteractive`, and change it back when you have installed Debathena.

### Manual Installation



The following steps are to be executed on the command line as root.

**Step 1.** Install the repository's public key.

```
wget -N https://debathena.mit.edu/apt/debathena-archive.asc;
apt-key add debathena-archive.asc
```

**Step 2.** Make the Debathena repository available to your package manager by adding the following two lines to `/etc/apt/sources.list`. Substitute the name of your distribution (e.g. `squeeze`, `lucid`, `precise`) for `DISTRO`.

```
deb http://debathena.mit.edu/apt DISTRO debathena debathena-config debathena-system
deb-src http://debathena.mit.edu/apt DISTRO debathena debathena-config debathena-system
```



#### Repository Components

The example above uses the main *components* of the Debathena repository. For additional components that may be available, please visit the [Debathena homepage](#)

**Step 3.** To give `aptitude` access to the new repository, run

```
apt-get update
```



These components contain the packages needed for a normal installation; further information about our repository structure is available at [Debathena repository component options](#).

**Step 4.** If you are using Ubuntu, you must also make sure that the [Universe repository](#) is enabled. This is the default setting in modern versions of Ubuntu.

**Step 5.** Ensure that the headers for your kernel are installed, by running the following command and checking for packages that begin with `linux-headers`.

```
dpkg-query -W 'linux-headers-*
```

Typically, this is package named something like `linux-headers-flavor` where `flavor` is something like `generic`, or `server`. (Debian packages may look like `linux-headers-2.6-amd64`.)

**Step 6.** Install the `openafs-modules-dkms` package, which will automatically compile and install OpenAFS modules for all installed kernels on your machine (provided headers are available).

```
env DEBIAN_FRONTEND=noninteractive apt-get install openafs-modules-dkms
```

**Note:** If you are running an ancient distribution (Debian 5.0 or earlier, or Ubuntu 9.04 or earlier), this package will not be available. You will need to instead install the `openafs-modules-source` package, and build the module by hand.

**Step 7.** Now you can install Debathena packages. The following will give you the recommended set of packages; other metapackages are also available at [Which Debathena metapackage should I install?](#).

```
env DEBIAN_FRONTEND=noninteractive aptitude install debathena-standard
```

**Step 8** If you are using `Debathena-login`, `Debathena-login-graphical`, or `Debathena-workstation`, and want to configure access controls, or are using `Debathena-standard` and have a local username different from your Athena username, or want to do other supported customizations, see [\[archive:Customizing Debathena\]](#).

**Step 9** Please subscribe to our announcement list, so that we can send you announcements about changes in the project and important security upgrades.

```
blanche debathena-announce -a $USER
```

## See Also

- [Debathena Landing Page](#)