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## How To Create A Local Debian/Ubuntu Mirror With apt-mirror - Page 3

### 9 Configure Your Client Computers To Use The Local Mirror


Now that our local mirror is ready to be used, all we have to do is tell our Debian Sarge and Ubuntu Edgy Eft systems in our local network to use it.

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#### Tutorial Info

Author: falko  
Tags: debian, ubuntu

 VMware image download


Local Debian / Ubuntu Mirror (without repositories - run "su - apt-mirror -c apt-mirror" to download them)

Download:  
Local\_Debian\_Ubuntu\_Mirror\_With\_apt-mirror.zip

Guide: VMWare Image Import Guide.


Other Downloads: List of all VMWare Images

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9.1 Debian Sarge

On Debian Sarge systems, you can replace the *main contrib non-free* repository in */etc/apt/sources.list* like this:

```
vi /etc/apt/sources.list
```

[ ... ]

2 z 14

10.01.2016 19:12

```
deb http://192.168.0.100/debian sarge main contrib non-free
[...]
```

Instead of *sarge* you could also use *stable*:

```
[...]
deb http://192.168.0.100/debian stable main contrib non-free
[...]
```

Afterwards, run

```
apt-get update
```

## 9.2 Ubuntu Edgy Eft

On Ubuntu Edgy Eft systems, you can replace the *main restricted universe* repository in */etc/apt/sources.list* like this:

```
vi /etc/apt/sources.list
```

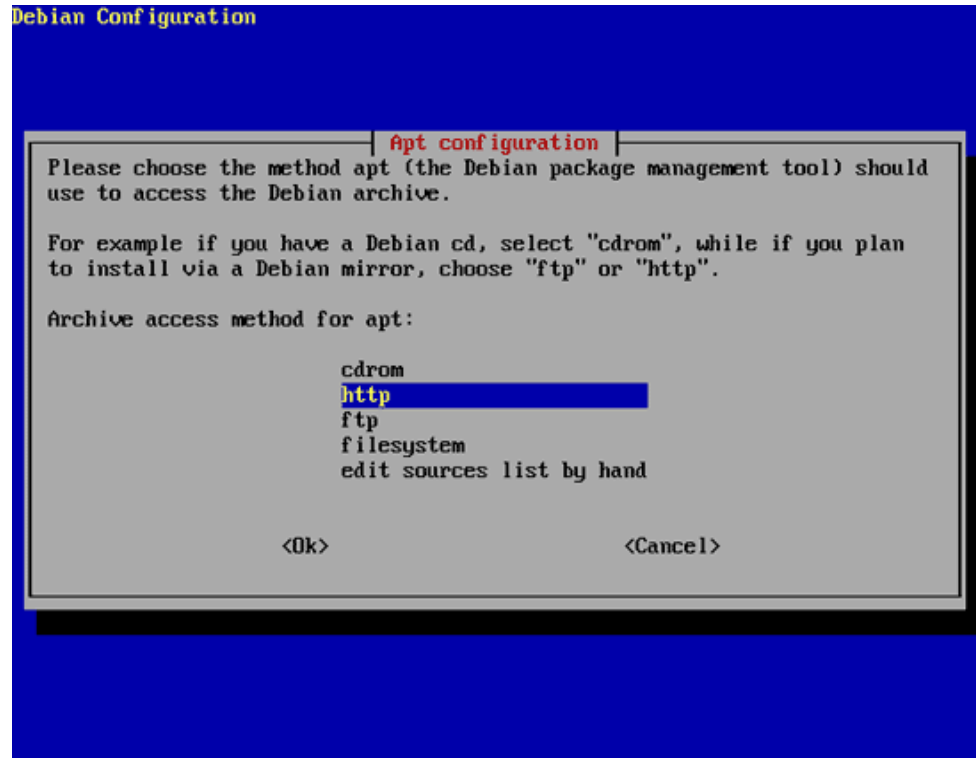
```
[...]
deb http://192.168.0.100/ubuntu/ edgy main restricted universe
[...]
```

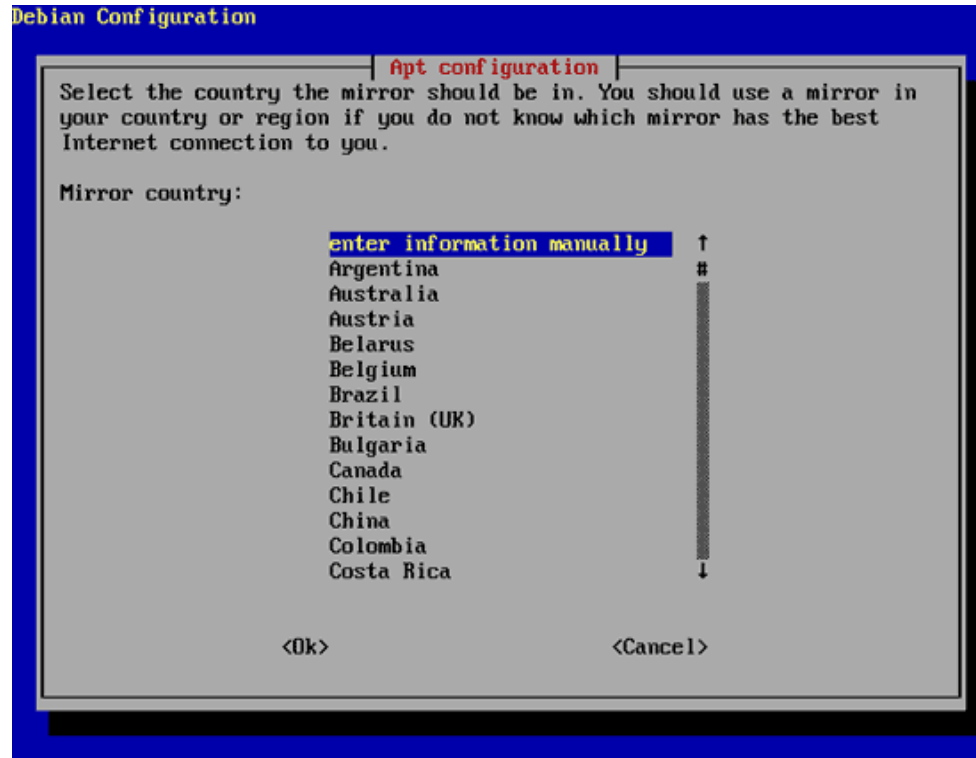
Afterwards, run

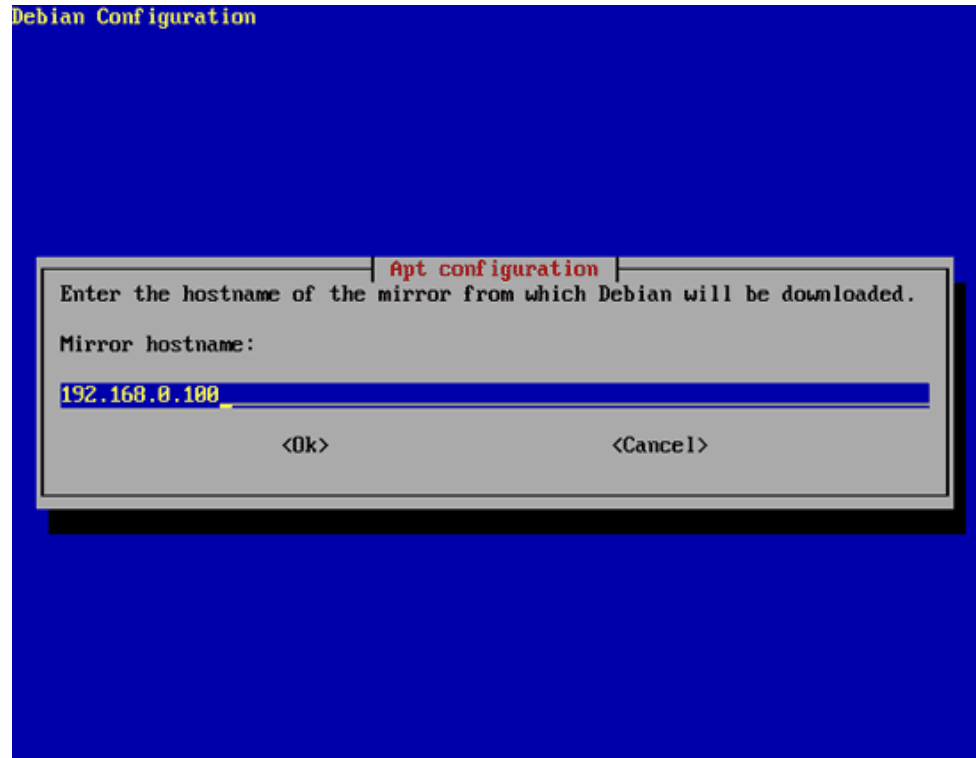
```
apt-get update
```

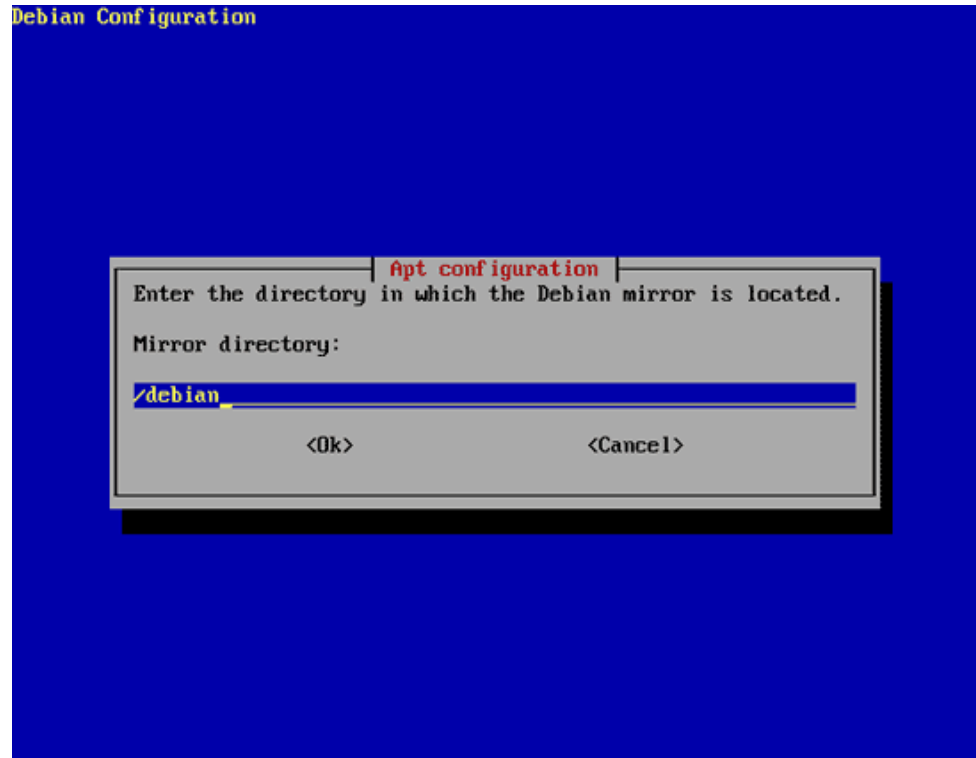
### 9.3 Fresh Installation

If you install a fresh Debian Sarge or Ubuntu Edgy Eft system, specify your local mirror like this when the installer asks you which repository you'd like to use:

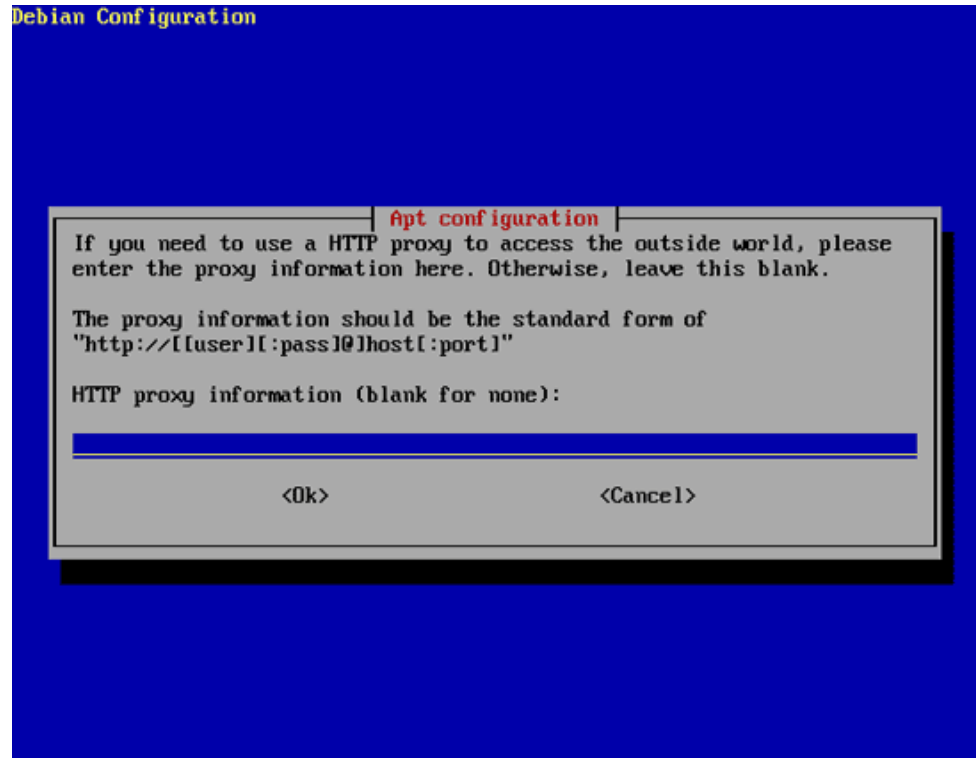












Afterwards the installer will use your local mirror to install the system:



```
Testing apt sources...
Get:1 http://192.168.0.100 stable/main Packages [4535kB]
Get:2 http://192.168.0.100 stable/main Release [95B]
Fetched 4535kB in 5s (841kB/s)
Reading Package Lists... 51%
```

## 10 Links

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- apt-mirror: <http://apt-mirror.sourceforge.net>
- Debian: <http://www.debian.org>
- Ubuntu: <http://www.ubuntu.com>

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## Comments

**From:**

Reply

Wow. This is extensive. I've only got one question (not asking for help, just clarification).

When downloading, say, for Ubuntu's Gutsy repositories (this one was designed for Edgy, but it's all the same) does **apt-sources** download all the architectures (**i386**, **amd64**, **powerpc** and **sparc**) as well?

I don't see any text that just calls for a single one such as just **i386**.

**From:** Anonymous

Reply

add this to you /etc/apt/mirrors.list  
**set defaultarch i386**

**From:** CyberCowboy

Reply

How would you do multiple architectures, for me specifically I need x64 and i386

**From:** AtesComp

Reply

You use "deb-i386" and "deb-amd64" instead of just "deb" at the beginning of each mirror line. Examples:

```
deb-i386 http://us.archive.ubuntu.com/ubuntu karmic main
```

```
restricted universe multiverse  
deb-amd64 http://us.archive.ubuntu.com/ubuntu karmic main  
restricted universe multiverse
```

**From:** Dan[Reply](#)

I had a question. My apt repository is located at  
/var/spool/apt-mirror/mirror/ftp.us.debian.org/debian/pool  
and it contains contrib main and non-free packages  
The thing I cannot figure out is I am working with a pool and not a specific dist.  
How would I setup my Debian lenny clients to pull in my needed packages since the  
examples above seem to be for a specific distro if you understand what I mean?  
The pool is confusing me.  
Thanks,  
Dan

**From:** Anonymous[Reply](#)

When you specify a dist, that tells is what packages list to read (arranged by dist  
and architecture).  
These package list tell it what packages to read from the pool. Apt-mirror will  
only download the specified packages, but have a browse around one of the  
primary mirrors. It is logically laid out, and explains a lot about the working of  
apt.  
So, pool/ contains all the packages, and dists/ contains lists of packages.

**From:** Rebeca[Reply](#)

in my case, I mirrored the three last versions of ubuntu. apt-mirror has  
created the pool but did not create the folder /dists... so my local computers  
are unable to pull from the mirror in sources.list. what i did wrong? and how fix  
that? Thanks..and sorry my "google english"!

**From:** Joe[Reply](#)

I have the same question as the previous comment, after running apt-mirror I only have the ubuntu/pool directory, I don't have ubuntu/dists and such. This causes clients to fail apt-get update when they cannot find files. What would cause that and how do you fix it?

**From:** Anonymous[Reply](#)

Thanks for the write up!

**From:** Anonymous[Reply](#)

i followed the procedure in this doc.  
the apt-get update and apt-get upgrade works fine in the client server.  
but the do-release-upgrade always complain there is no new release found.  
but i did put the 10.04/10.10/11.04... in the mirror-list file.  
and i did edit the /etc/update-manager/meta-release file.

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