

APT

Configuration

Force IPv4

```
echo 'Acquire::ForceIPv4 "true";' | sudo tee /etc/apt/apt.conf.d/99force-ipv4
```

Limit download speed

To limit download speed to 250kBytes/s:

[/etc/apt/apt.conf.d/75lowerspeed](#)

```
Acquire
{
    Queue-mode "access";
    http
    {
        Dl-Limit "250";
    };
};
```

Use apt-cacher

[/etc/apt/apt.conf.d/02proxy](#)

```
Acquire::http { Proxy "http://192.168.0.231:3142"; };
Acquire::https::proxy "DIRECT";
```

or Replace all mirror hostnames with cachinghost/hostname in sources.list, so

```
deb http://ftp.uni-kl.de/debian etch main
```

should now become:

```
deb http://192.168.0.17:3142/ftp.uni-kl.de/debian etch main
```

Commandline

Disable fsync

This trick helps on BTRFS FS

```
apt-get install eatmydata
eatmydata apt-get update
```

Or wrap some commands permanently with eatmydata

```
ln -s /usr/bin/eatmydata /usr/local/bin/aptitude
ln -s /usr/bin/eatmydata /usr/local/bin/apt-get
ln -s /usr/bin/eatmydata /usr/local/bin/apt-cache
```

Playing with apt keys

```
sudo apt-key adv --recv-keys --keyserver keyserver.ubuntu.com
8B48AD6246925553
```

```
sudo apt-get install debian-archive-keyring
wget http://ftp.pl.debian.org/debian/pool/main/p/pkg-mozilla-archive-
keyring/pkg-mozilla-archive-keyring_1.1_all.deb
sudo dpkg -i pkg-mozilla-archive-keyring_1.1_all.deb
sudo apt-get update
```

```
gpg --keyserver pgpkeys.mit.edu --recv-key 8B48AD6246925553
gpg -a --export 8B48AD6246925553 | sudo apt-key add -
```

```
apt-get update 2> /tmp/keymissing; for key in $(grep "NO_PUBKEY"
/tmp/keymissing | sed "s/.*NO_PUBKEY //"); do echo -e "\nProcessing key:
$key"; gpg --keyserver keyserver.ubuntu.com --recv $key && sudo gpg --export
--armor $key | apt-key add -; done
```

List all package versions

```
apt-cache policy lxc
```

```
lxc:
  Installed: 1:1.0.6-6+deb8u2
  Candidate: 1:1.1.5-1
  Version table:
     1:1.1.5-1 0
               500 http://ftp.pl.debian.org/debian/ stretch/main amd64 Packages
```

```
*** 1:1.0.6-6+deb8u2 0
    100 /var/lib/dpkg/status
```

Install specified version

```
apt-get install backupninja=0.9.8.1-1
apt-mark hold backupninja
```

Install with low prio questions

To change dpkg-configure question priorities:

```
DEBIAN_PRIORITY=low apt-get install ...
```

Install from backports

List version and priorities:

```
apt-cache policy pulseaudio
```

```
apt-get install -t jessie-backports pulseaudio
```

```
aptitude -t jessie-backports
```

</etc/apt/preferences.d/backports>

```
Package: *
Pin: release a=jessie-backports
Pin-Priority: 500

Package: *
Pin: release a=stretch-backports
Pin-Priority: 500
```

Hold package

```
echo package_name hold | sudo dpkg --set-selections
```

Errors

trying to overwrite

```
dpkg: error processing archive /var/cache/apt/archives/gstreamer1.0-plugins-base_1.18.4-2_amd64.deb (--unpack):  
trying to overwrite '/usr/lib/x86_64-linux-gnu/gstreamer-1.0/libgstcompositor.so', which is also in package  
gstreamer1.0-plugins-bad:amd64 1:1.14.4-dmo7+deb10u1  
dpkg-deb: error: paste subprocess was killed by signal (Broken pipe)  
Errors were encountered while processing:  
/var/cache/apt/archives/gstreamer1.0-plugins-base_1.18.4-2_amd64.deb  
Config is in use.
```

```
apt-get -f -o Dpkg::Options::="--force-overwrite" install
```

BADSIG

Error:

```
http://httpredir.debian.org squeeze-lts Release: The following signatures  
were invalid: BADSIG 8B48AD6246925553 Debian Archive Automatic Signing Key  
(7.0/wheezy) <ftpmaster@debian.org>
```

```
cd /var/lib/apt  
sudo mv lists lists.old  
sudo mkdir -p lists/partial  
sudo apt-get update
```

This will rebuild the cache.

Error:

```
W: An error occurred during the signature verification. The repository is  
not updated and the previous index files will be used. GPG error:  
http://repository.spotify.com stable InRelease: The following signatures  
couldn't be verified because the public key is not available: NO_PUBKEY  
13B00F1FD2C19886
```

```
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-key  
13B00F1FD2C19886
```

Download is performed unsandboxed

Warning:

```
W: Download is performed unsandboxed as root as file
'/var/cache/apt/archives/partial/libnet-cidr-lite-perl_0.21-1_all.deb'
couldn't be accessed by user '_apt'. - pkgAcquire::Run (13: Permission
denied)
```

```
sudo chown -Rv _apt:root /var/cache/apt/archives/
sudo chmod -Rv 774 /var/cache/apt/archives/
```

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