

Installing MythTV 0.20.1 on Linux Fedora Core 6 for Australian TV

References

- [MythTV web site](#)¹
- [MythTV installation guide](#)²
- [Linux Driver for the DViCO FusionHDTV DVB-T range](#)³ (*recommended digital TV tuner card*)

Previous notes

- [Installing MythTV 0.18.1 on Linux Fedora Core 4](#)⁴ (*used to be much more difficult in the past*)

Prerequisites

- Installation of Fedora Core 6 (*Web Server profile*) with latest updates applied ...
 - Kernel 2.6.19 (*or more recent*)
 - MySQL 5.0.27 (*or more recent*)
- Recommended option ... install the [xfs filesystem](#)⁵ for separate disk partition, specifically for large video files ...

```
yum install xfsprogs

mkfs -t xfs -f -L /content /dev/sda8 # Assume that a large disk partition has been
allocated for video files
vi /etc/fstab
    LABEL=/content /content xfs defaults 1 2
mkdir /content
mount /content
```

- Recommended option ... install [yumex](#)⁶ (yum extender gui) ...

```
yum install yumex
```

Description

- Configure [Livna yum repository](#)⁷ (*enabled by default*) ...

NOTE

These days, I almost exclusively use the [Livna yum repository](#)⁸ and avoid mixing RPMs from other repository collections, unless strictly necessary, e.g. this MythTV installation

```
rpm -Uhv http://rpm.livna.org/livna-release-6.rpm
rpm -Uvh http://rpm.livna.org/RPM-LIVNA-GPG-KEY
```

1. <http://www.mythtv.org>
2. <http://www.mythtv.org/modules.php?name=MythInstall>
3. <http://www.itee.uq.edu.au/~chrisp/Linux-DVB/DViCO>
4. daisy:106@::1 (Installing MythTV 0.18.1 on Linux Fedora Core 4)
5. <http://en.wikipedia.org/wiki/Xfs>
6. <http://www.yum-extender.org>
7. <http://rpm.livna.org/>
8. <http://rpm.livna.org/>
9. <http://atrpms.net/>

```
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY.atrpms
enabled=0

rpm --import http://ATrpms.net/RPM-GPG-KEY.atrpms
```

- Install complete MythTV suite ...

```
yum install --disablerepo=livna ---enablerepo=atrpms mythtv-suite
```

NOTE

This installs **faad2-2.5-7.fc6.at**, which breaks mplayer and mencoder (if they installed from Livna), we'll fix that next

NOTE

If you prefer a graphical package installer, then use [yumex](#)¹⁰ and don't forget to disable the Livna repository and enable ATRPMS repository, then install the "**mythtv-suite**" package

- Fix-up broken mplayer and mencoder ...

```
rpm -e --nodeps faad2-2.5-7.fc6.at # Remove ATRPMS version
yum install faad2 # Restore Livna version
```

- Set-up MySQL MythTV database ...

```
chkconfig mysqld on

service mysqld start

mysqladmin -u root password 'mythtv' # Choose your own password here !

mysqladmin -u root -p -h localhost.localdomain password 'mythtv'

mysql -u root -p </usr/share/doc/mythtv-0.20.1/database/mc.sql

mysql -u root -p mythconverg # Permit all remote access
mysql> grant all on mythconverg.* to mythtv@"%" identified by "mythtv";
mysql> flush privileges;
```

- You may need to [set-up your audio, specifically for MythTV](#)¹¹
- You may want to [set-up a remote control for MythTV](#)¹²
- Set-up location for MythTV recordings on an [xfs filesystem](#)¹³ (see prerequisites above) ...

```
mkdir /content/mythtv
chmod a+rwX /content/mythtv # You may prefer to be less open than this !
```

- Set-up Australian EPG (Electronic Program Guide) ...

```
mkdir -p /usr/local/download/linux/xmltv
cd /usr/local/download/linux/xmltv
wget http://www.onlinetractorparts.com.au/rohbags/xmltvau/tv_grab_au-0.6.2.tar.gz
tar -zxz /usr/local/download/linux/xmltv/tv_grab_au-0.6.2.tar.gz -C
/usr/share/xmltv/tv_grab_au
```

10. <http://www.yum-extender.org>

11. <http://www.mythtv.org/docs/mythtv-HOWTO-7.html>

12. <http://www.mythtv.org/docs/mythtv-HOWTO-8.html>

13. <http://en.wikipedia.org/wiki/Xfs>

```

mv /usr/share/xmltv/tv_grab_au/tv_grab_au /usr/bin/tv_grab_au
mv /usr/share/xmltv/tv_grab_au/tv_grab_au.1.gz /usr/share/man/man1

# Changed "askQuestion" to "ask_choice"
sed -i 's/askQuestion/ask_choice/g' /usr/bin/tv_grab_au

tv_grab_au --configure # Choose options that suit your location and viewing
preferences

tv_grab_au --days 1 --output test-xmltv.xml # Test it !
more test-xmltv.xml

```

- Configure MythTV backend ...

```

mythtv-setup

mythfilldatabase

view /var/log/mythtv/mythfilldatabase.log

```

- Start MythTV backend ...

```

chkconfig mythbackend on

service mythbackend start

view /var/log/mythtv/mythbackend.log

```

- Start and configure MythTV frontend ...

```

mythfrontend

```

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