

Linux as a video recorder



Who are we?

- X-Tend is Open Source.
- X-Tend stands for more than 10 years of Linux experience
- X-Tend holds multiple certifications (RedHat, MySQL, LPI,...)
- X-Tend provides Enterprise Linux Solutions to high profile companies and organisations.



Agenda

- What is MythTV
- Extensions
- Demo
- Building blocks
- How to install
- Q&A

What is MythTV?



What is MythTV? (ctd.)

- Originally: TiVo clone
- PVR
 - Record TV show
 - Play recorded TV show
 - Time shift
 - Electronic program guide
- Open source

Nice features

- aka Eye-catchers
- Control your PVR over the web
- Picture-in-picture
- Commercial flagging
- Client-server based:
 - one backend
 - multiple frontends

Extensions

- aka plugins
 - Myth-gallery
 - Myth-music
 - Myth-dvd
 - Myth-news
 - Myth-phone
 - Myth-game
 - ...

Demo

Sit back and relax...

Building blocks

- Networked Linux machine
- containing one or more TV capture cards
- with a large hard disk (ca. 1GB/30 min)
- running a database
- running a backend server
- running a web server
- normally running a frontend application

Building blocks (ctd.)

- Recommended minimal hardware setup
 - Pentium IV class hardware
 - lots of hard disk space
 - TV capture card (Hauppauge PVR-xxx)
 - Reliable fast network connection
 - and if possible: even more hard disk space

Building blocks (ctd.)

- For the backend
 - standard maxi tower case
 - lots of harddisks
 - fast CPU
 - some place in the attic or cellar to put it
- For the frontend
 - barebones machine
 - silent!

Building blocks (ctd.)

- Linux
- MySQL
- Capture card driver
- LIRC
- MythTV backend
- MythTV frontend
- XMLTV
- DVD setup
- Plugins
- ...

How to install

- Install favourite Linux distribution+ MySQL
 - Locate precompiled MythTV packages
 - Install MythTV + configure MythTV
 - Install + configure xmltv
 - Install + configure LIRC
- Requires some Linux experience
- ⇒ Can be too hard

KnoppMyth

- Linux distribution based on Knoppix
- Installs from CD
- Contains a MythTV + plugins
 - Myth-games
 - Myth-music
 - Myth-DVD
 - Myth-burn
 - ...

KnoppMyth (ctd.)

- Contains auto install script
- Contains manual install script for specific hardware setups
- Contains auto upgrade scripts
- Contains a fully functional live frontend install

Resources

- <http://www.mythtv.org>
- <http://www.mysettopbox.tv/knopppmyth.html>
- <http://membled.com/work/apps/xmltv/>
- <http://ivtv.sf.net>
- <http://ramses.smeyers.be/varia/mythtv-cvs/>

Questions

and hopefully some answers



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