

# KGTV MythTV



Updated: August 27, 2013August 27, 2013 Author: Andrew Moore

# **Contents**

Navigating MythTV	2
Listings	2
Recording Schedules	2
Manual	2
Custom	2
Upcoming Recordings	2
Recorded Programs	2
QuadView	3
LiveView	3
Backend Status	3
Hardware	3
SchedulesDirect	4
QuadView	4
Priorities	4
Proxy Viewing	4
Issues	5

## **Navigating MythTV**

#### Listings

Listings section is very much like a DVR's TV Guide. You can view the guide information or click on a show to see details. From the details page you can schedule this show to be recorded.

Shows that are scheduled to be recorded are outlined in green. If there is a conflict with a recording, that recording is highlighted in red.

### **Recording Schedules**

Recording Schedules is used to view all the recordings that have been setup. Recording types can be one of the following:

- Title Search
- Keyword Search
- People Search
- Power Search
- Timeslot recording

#### Manual

Use the manual tab to schedule a manual recording with a specified timeslot. This can be set to record daily, weekly or a one time recording.

#### Custom

The custom tab can be used to create a recording based on the show title, keywords, people, or advanced (Power) search.

#### **Upcoming Recordings**

Use this tab to view recordings that are scheduled in the future.

The status column indicates what tuner the recording is scheduled to run on. 'Conflict' indicates there are not enough tuners to fulfill that recording. You can work around this by setting that recording to a higher priority (see the priority section).

#### **Recorded Programs**

This tab is where you can access all recorded shows, including quadview recordings.

You can filter by channel to find a program on a specific channel. To watch and view details of a specific recording, click on the thumbnail for that recording. This will bring you to a page where you can view an in-browser proxy video, download an ASX stream for VLC, download the full clip, or export a segment of the recording. MythTV storage holds about a month of content and is self regulating. Oldest content gets removed first.

#### QuadView

The quadview page is where quadview recordings are scheduled. The quadview engine runs on a separate set of tuners so these recordings do not affect other scheduled recordings. To create a quadview click on **Create Quad View**, fill in the form and click Create.

#### LiveView

Live View is an experimental page to view channels live through the browser. Since there is only one tuner for this, all viewers watching this see the save channel. Changing channels affects all viewers.

To change channels, click on the dropdown, select the channel and click **change**. You may need to refresh the page if the stream does not load. If you get an error, try changing the channel again.

#### **Backend Status**

The status page shows status of encoders, schedules, jobs, and storage info.

## **Hardware**

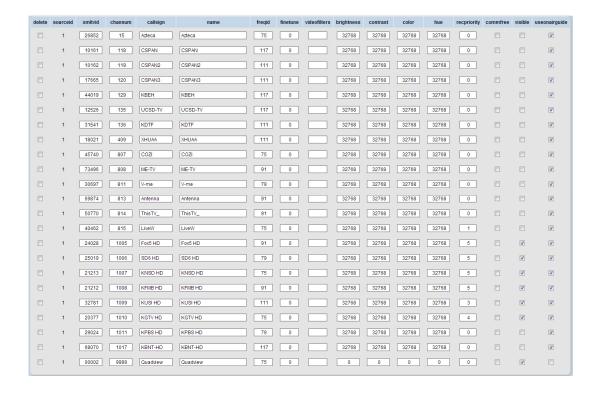
The MythTV server consists of 2 OS hard drives one is connected and the other is a backup. This is not a RAID mirror.

The storage raid consists of 4 x 3TB drives that have RAID 10 configuration. This equates to  $\sim$ 5.5TB of usable storage. This drive has redundancy and speed.

There are 3 NIC cards. The onboard NIC is for House LAN communications. The first PCI card is for Tuner communication. The second PCI card is a backup for card 1.

There are 4 HDHomeRun Duo tuners connected via Network. The first two are utilized by MythTV for recording scheduled programs. The other two are used strictly for QuadView recordings. Each HDHomeRun has 2 internal tuners totally 8 tuners for the server to use.

Each tuner is assigned 5 encoders. This allows MythTV to record multiple streams from a single encoder as long as all streams are on the same frequency channel.



#### **SchedulesDirect**

<u>http://www.schedulesdirect.org/</u> is the service we use to get guide information from Cox. This service is \$25 a year and expires in April each year.

Its currently registered to <a href="mailto:Andrew.Moore@10news.com">Andrew.Moore@10news.com</a>

#### QuadView

The quadview recorded is a custom addon to the standard MythTV. The service is called **quadview.** The scripts are located at /usr/share/mythtv/

The main script is runQuadViews.pl which triggers createQuad.pl for each recording.

## **Priorities**

To set a recordings priority go to **Recording Schedules** tab and click on the recording you would like to change. From here select the priority from the *Recording priority* dropdown. Higher number is higher priority.

## **Proxy Viewing**

While in the details page for a recording, you can use the in-browser player to view the recording as well as export a clip. Export feature is only available after the **Create Proxy** job has completed. Once the

proxy has been created you can export a clip using in-point and out-point. The following keyboard shortcuts are available as well as onscreen controls.

Set In-Point:

Set Out-Point:

Export:

Play/Pause:

Increase Playback Speed:

Decrease Playback Speed:

Reset Playback Speed:

Down ARROW

Down ARROW

When exporting a clip, it may take several minutes to start downloading as it takes time to render. The longer the clip is, the longer it takes to begin. Export format is h.264.

#### **Issues**

Please report issues to the helpdesk <a href="http://kgtv-shopsvr.ad.ewsad.net/help">http://kgtv-shopsvr.ad.ewsad.net/help</a>.