TV Rename Features

Adding Shows

Functionality

TV Rename will track many TV Shows in your library. These can be added in 3 key ways:

- Manually – Added manually by entering the name into the 'Add Show' screen from the main 'My Shows' tab
- Bulk Add – TV Rename can scan through some specified folders (Monitor Folders) via the 'Bulk Add' tool. It will display a list of shows that are not already in the library and allow them to be added en-masse.
- Automated – TV Rename can be setup to look at files in the download folder (Search Folders) and (if it can't find an appropriate show in the library) offer the user some suggestions about which series/show to add to the library.

Manual Addition

Manual addition is the simplest way of adding shows into the library. You can enter (and search for) the show by name or for more precise addition enter a TVDB Id. All the options about the show can be edited, but they key ones to add are:

- Directory location to store the location of the files for the series
- Time zone for the series (this is not available from TVDB, so must be entered manually)

Bulk Addition

TV Rename can search through your library of existing (organised) files to find shows that are not in the library. This is initiated from the menu bar, with config options are in the preferences under 'Bulk/Auto Add'. It can be made to ignore folders with no video files and recycle bin from the configuration options. If specific folders should be ignored, then they can be from the within the tools. (specify ignore folders)

Automated Addition

TVR can look at 'spare' files in the 'download'/Search folders;
- if it cannot find a home for them then
- it tries to find the series on TVDB and asks the user for clarification via a streamlined add dialog.
- Once accepted, TVR automatically adds the show.
- If auto folder creation is on, then the folders get created in the library automatically and the appropriate files copied in.

This function can be turned on under Preferences > Scan Options > 'Notify when new shows are found' and a few of the config options are in the preferences under 'Bulk/Auto Add'. There are options to help modify filenames into show names by ignoring certain terms and by ignoring files altogether with terms in the filename.

Further Information

Future Ideas

Scanning
Functionality
Scan Types
There are 4 types of scan:

- Single Show – A single show can be scanned manually.
- Quick Scan - A 'clever' scan that looks in the download directory for shows to scan. It also scans missing episodes from the recent list. <Recommended>
- Recent Scan – A scan that looks at all shows that have had an episode aired in the last few days. The number of days can be specified in the preferences.
- Full Scan – Scans all shows that are set to be scanned.

Triggering Scans
These can be triggered in several ways:

- On Startup
- Via Command Line
- Periodic (Automated)
- When download/search folder/file changes
- Manually

Further Information
- Configuration options are detailed here: http://test.ab-tec.co.uk/manual/options/#the-scan-options-tab
- Further explanation can be found here: http://test.ab-tec.co.uk/manual/user/#scan

Future Ideas
- To incorporate a 'Bulk add' as part of the scan and use the new 'Quick Add' Dialog to quickly add missing shows.

Finders
Functionality
Once a scan is complete, TV Rename will identify files to move/copy/rename and additional files to download/create. For episodes that are still missing, TV Rename will try and find them for you.

Types
There are 4 places it will search:

- File System – If found it will remove the episode from the missing list and move the file into the correct place.
- RSS Feed for torrent links – If found then it will download the torrent file
- SABnzbd – If found it will mark it as downloading so you know not to try and find the item again

- uTorrent – If found it will mark it as downloading so you know not to try and find the item again

How to write a Regex for TV Rename

Firstly, get acquainted with what a regular expression is:

- https://regexone.com/
- https://www.regular-expressions.info/
- https://regexr.com/
- https://regex101.com/
- http://www.rexegg.com/regex-quickstart.html

Once you understand Regular Expressions and 'Named Groups' (Link: https://www.regular-expressions.info/named.html) in particular then all you need to know is that TV Rename looks for 3 named groups:

- **S** – The number series the file relates to
- **E** – The Episode number the file relates to
- **F** – (optional) If specified and if it matches then this is the max episode number that the file matches. It is used for instances when a file matches multiple episodes.

For Example: 'S01E01-03' would indicate that the file represents Series 1 and is episodes 1-3. In this case S=1, E=1 and F=3

Further Information
- http://test.ab-tec.co.uk/manual/options/#filename-processors
- http://test.ab-tec.co.uk/manual/options/#the-%C2%B5torrent--nzb-tab

Future Ideas
- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/e6663947-906a-4a91-95ae-e45a91c6efb0

Organising

Functionality

While the main objective of TV Rename is to rename and move/copy files into the appropriate locations in the library, there are many other things it can do at the same time:

DVD vs Aired Order

TV Rename can order a series in 2 ways at present:

- Aired Season Order
- DVD Season Order

To show how these are different then look at Futurama on TVDB and you can see that the order the episodes were released on DVD does not match the order they were aired.

Future Ideas

There are a few ideas on the ideas wall to allow the ordering to be adjusted further to account for shows such as Mythbusters and American Dad. In both these cases the order that users want to organise the files does not match either the Aired nor the DVD order

- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/1c0aeb70-98ae-4937-9de3-8243ca61fcf2
- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/ccf342c0-94b0-42f2-a0ba-a7cda261b2fa

Media Centres

In addition to renaming and moving files the system can also download/create files for various media players:

- Kodi
- Mede8er
- pyTivo
- others

In each case then the following types of files can be downloaded

- Fanarts, banners and posters
- Episode screenshots
- XML/Text files to explain details about the show/series/episodes

File Touch

The system can also be requested to update the 'last updated' dates to match the airdates. This aims to help DNLA systems.

Further Information

http://test.ab-tec.co.uk/manual/options/#the-media-center-tab

Future Ideas

There are plans to add support for other media centres and provide additional information by analysing the video files in more detail:

- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/861a5956-e5d4-466e-baf7-1f137b7c5855
- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/2934aef8-4dfe-4503-a995-81b95542a6bf
- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/74204b8a-836a-4a6e-997d-09ea4fe39362

Automation

Functionality

TV Rename aims to do as much as it can to automate the storage of media files. To make the process as automated as possible it can:

- **Auto Add shows** – see 'Automated Addition' above
- **Auto folder creation** – TV Rename can be setup via preferences (here) to automatically create folders for shows and series. This will create based on the defaults
- **Auto folder & file deletion** – TV Rename can identify files and folders that can be removed and then get rid of them.
  - **'Delete Empty Folders after moving Files'** - Review Folders as movie files are copied out of the folder. Sometimes files are downloaded with many accompanying files which are not needed. If this is the case then this function can clean up the unused files. It is configured (here)
  - **'Clean-Up'** - Files and folders in the download directory that match episodes already in the library. This is useful when something else keeps hold of the lock on the files and they cannot be removed after the move operation, but occasionally deletes 'PROPER' or improved files that are improvements to what is already in the library. It is setup (here)
  - Suggest recycling files/folders rather than deleting as specified (here)
- Multi-episode Merging
  - Proactive. In the settings (here) Tv rename can be proactively setup to create merge rules. If a downloaded file matches a multi episode file (see here) then it will automatically create a merge rule.
  - Reactive (BETA). Under the beta option, 'Duplicate finder' will scan the library and look for files that look like they are multi-episode files based on a few criteria:
    - The two(or more) episodes have the same airdate
    - The episodes name is similar
    - One or more of the episodes are missing
    - The file that is on disk is larger than normal which would indicate that there is more than one episode in the file.
- Auto-update
  - On start-up TV Rename will check to see whether it is on the latest version and suggest that it is updated if not.
  - From menu bar the user can manually check for an update.
- Auto Scanning
  - As files change or on a fixed period as specified here

Further Information

Future Ideas

Exporters
Functionality
TV Rename can be setup to automatically export files which summarise the status of your library.

Type	Formats	Description

When to Watch	RSS, XML	Details all the upcoming episodes so that you know what episodes are going to air soon. Output whenever information from the TVDB about airdates is updated.
Missing	XML, CSV	Whenever a full scan is executed TV Rename outputs details of all missing episodes
Renamed files	XML	For each scan TV Rename can provide a summary of all renamed files
Copied and Moved files	XML	For each scan TV Rename can provide a summary of all moved/copied files
Show List	TXT	Whenever a show is added or removed from the library TV Rename will update the show list file.

Further Information

http://test.ab-tec.co.uk/manual/options/#the-automatic-export-tab

Future Ideas

- http://ideas.theideawall.com/TVRename/Forum/TopicDetails/e345b5b9-4641-4521-9162-366ffc566486
- https://github.com/TV-Rename/tvrename/issues/27
- https://github.com/TV-Rename/tvrename/issues/37
- https://github.com/TV-Rename/tvrename/issues/28