

TVMaze-Management

Purpose:

- **Keep track off and manage TV Shows**
 - Using tvmaze.com APIs and standard functionality
- **Shows:**
 - Track all shows available everywhere in the world (47K+)
 - Automatically "Skip" shows based on rules for
 - Language,
 - Network,
 - Runtime,
 - Genres,
 - Types
 - Decide the Follow or Skip all remaining shows as they are presented automatically in the console
- **Episodes: (For followed shows only)**
 - Automatically get all episode information
 - Acquire all episodes for viewing as soon as they are available after their air-date
 - Automatically track episodes as watched or skipped
- **Plex:**
 - Automatically move acquired shows into Plex and notify TVMaze that the show is acquired
- **Technology**
 - Build using Python 3, MariaDB and a little zsh scripting
 - Non Standard Python Libs used:
 - TVMaze specific created libs:
 - db_lib
 - tvm_api.lib
 - tvm_lib

- terminal_lib
- bs4, re, requests, mariadb, pandas, sqlalchemy, dash, dash_corecomponents, dash.dependencies, plotly.subplots, plotly.graph.objects

Scheduling of Apps

For scheduling standard crontab is used.

The following shell scripts are scheduled:

- every 30 minutes a complete run of the apps to interface with TVMaze, Plex and the internet to find and acquire episodes
 - zsh script: tvn_process
- 4 times a day (6am, 9am, 8pm and 10pm the plex cleaned app
 - zsh script: plex_cleanup These schedule jobs maintain all TVMaze, Plex and TVMaze-Management data.

Don't forget to include the PYTHONPATH and PATH info in crontab

Console App

The console app is a terminal based app to manage a lot of different things!

Main Functions are:

- Review New Shows to follow, skip or leave undecided for 7 days
- Manage Shows:
 - Start Following a show
 - Un-follow a show (erase history)
 - Start Skipping episodes for a followed show
 - Change the acquisition provider for a show
- Run Apps directly
 - Run the apps individually
 - Run the whole process
- View all the logs

View the Statistics

- Start a Dashboard webpage with 15+ graphs

Screenshots

- Dashboard
 - [Console Menu](#)
 - [Dashboard Top of the page](#)
 - [Dashboard Bottom of the page](#)