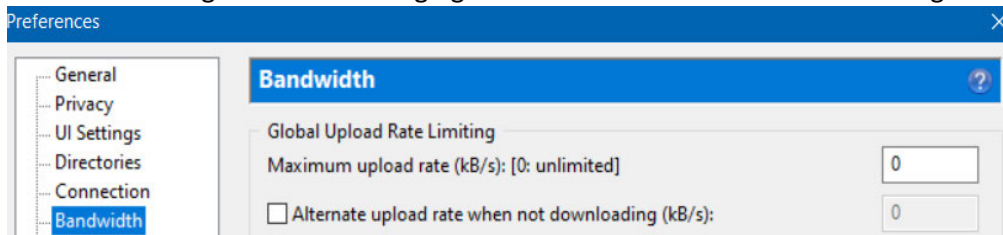


Setup Guide: Usenet Provider/SABnzbd & NZB Indexer/Sonar PVR Configuration

1. Independent of Usenet setup – Be sure to use a VPN before pulling content from a Usenet server.
 - a. The concept of seeding does not really exist with Usenet. There's no simultaneous upload while downloading.
 - i. With torrents, your IP can be observed uploading bits of copyrighted data to the swarm. The Bandwidth config makes it challenging not to share content while downloading.
 - ii. The screenshot shows the SABnzbd Preferences window with the Bandwidth tab selected. It includes options for Global Upload Rate Limiting, Maximum upload rate (kB/s), and an option to Alternate upload rate when not downloading (kB/s).
 - b. Usenet does allow uploading, so there is still a risk when not using a VPN
 - i. Note that purely downloading content from Usenet is less of a risk, but you're still obtaining content you technically are not authorized for. Besides this, ISPs might throttle/mess with your connections if they detect large data transfers to/from Usenet providers
 - c. When choosing a VPN, I tend to stay away from the one that is offered with a subscription to a Usenet provider. I just don't trust them.
 - i. There are tons of options for a VPN and of course you can roll your own, but I've been using AirVPN for all things Torrenting/Usenet/Streaming/Other
 1. AirVPN started as a project of a very small group of activists, hacktivists, and hackers in 2010 <https://airvpn.org/aboutus/>

2. Choosing a Usenet provider – The one you choose and the plan you go with will depend on your needs. Below are the ones I subscribe to

- a. **Giganews** – <https://www.giganews.com/>
 - i. Diamond level plan – 9.99/mo
 1. What features I care about – Unlimited downloads, 100 connections, and 1095 days of retention
 - **Server name:** news.giganews.com
 - **Authentication:** authentication is required
 - **Username:** Giganews username
 - **Password:** Giganews password
 - **Port:** 563 or 443 with SSL enabled; 119, 23, or 80 with SSL disabled
 - ii.
- b. **Newshosting** – <https://newshosting.com>
 - i. Unlimited plan – 12.95/mo
 1. What features I care about – Unlimited downloads, 60 connections, and 4736 days of retention

Server Details:

NNTP Server Address:
news.newshosting.com

Ports:
563 (SSL Secured)
119 (Standard)

ii.

c. **NewsDemon** – <https://newsdemon.com>

i. Unlimited plan – 10.00/mo

1. What features I care about– Unlimited downloads, 50 connections, and 3000 days of retention

● **Here are your available NNTP Address(s):**

[news.newsdemon.com](https://newsdemon.com)

- **Most Suitable for All Users.**

ii.

Available ports on all servers:

- Ports (non-SSL): 119, 23, 3128, 7000, 8000, 8080, 9000
- Ports (SSL): 563, 80, 81, 9119

iii.

3. Key concepts & important details specific to Usenet providers

a. Unlimited downloads – There is no limit to how many downloads a subscriber can make to a Usenet server though the NZB indexer

- i. NZB indexer aka NZB search engine – Web-based portal account that indexes files/parts of files and can be grouped by category. The downloaded NZBs are sent to the SABnzbd client
- ii. Indexers - Parse headers to build releases ~ present a user-friendly way to browse content.
 1. NZB is an XML-based format specification that contains all the required tags and attributes required by the SABnzbd client, like segment info and what group the file can be downloaded from – alt.binaries.newzbin. Doing this allows for faster downloads of binaries
 - a. NZBs take the small individual parts of a broken-up binary and provide the information to assemble them together again after the download has been completed.
 2. I use <https://www.nzb.su/> for NZB indexing- Once upon a time it was invite-only and was a go to indexer. The site no longer requires an invite. Registrations are open
 3. VIP costs just \$15 for the year and allows for 600 NZB downloads and 5000 API calls daily. There is also API Integrations with SabNZBd

b. Connections available – The number of concurrent connections a SABnzbd client can make to a Usenet server

- i. When you add a Usenet server to the SABnzbd config, you'll set the number of connections along with other details such as the Host, Port, and Credentials which can all be obtained from the control panel of the Usenet server (accessed by just logging in)

c. Retention refers to the length of time articles are stored in a Usenet system. Retention is usually determined by "first in - last out" logic where the oldest articles are deleted as new articles are stored.

- i. Articles in reference to Usenet are any individual messages contained in a newsgroup discussion. Articles make up all of the content available on Usenet

4. Understanding SABnzbd – It is a program to download binary files from Usenet servers.

- a. SABnzbd is a multi-platform binary newsgroup downloader.
- b. The program works in the background and simplifies the downloading verifying and extracting of files from Usenet.
- c. SABnzbd uses NZB files (similar to .torrent files, but for Usenet), instead of browsing Usenet directly. NZBs can be acquired from a variety of Usenet indexing services.
- d. SABnzbd's main interface is web-based so it can be configured for remote access, but I keep it all local <http://127.0.0.1:8080/sabnzbd/>

5. Getting and configuring SABnzbd with the NZB indexer <https://www.nzb.su/>

- <https://sabnzbd.org/> - Downloads available for Windows, macOS, Unix, and NAS devices
- Create a VIP account at <https://www.nzb.su/> or Google for one similar
- Once installed and you run the application, you will be able to configure settings through the web interface running at <http://127.0.0.1:8080/sabnzbd/>

SABnzbd Web Server ⓘ

Changes will require a SABnzbd restart!

SABnzbd Host
Host SABnzbd should listen on.

SABnzbd Port
Port SABnzbd should listen on.

i.

- Note that this address will be needed when configuring the NZB indexer <https://www.nzb.su/profileedit>

SABnzbd Integration

SABnzbd URL
The url of the SAB installation, for example: <http://localhost:8080/sabnzbd/>

a.

- The API key found within the config section – General -> Security has to be added to the SABnzbd integration section of the NZB indexer as a value to **SABnzbd API Key** and the **API Key Type** to select should be Full API Key

Security

Changes will require a SABnzbd restart!

SABnzbd Username
Optional authentication username.

SABnzbd Password
Optional authentication password.

External internet access
You can set access rights for systems outside your local network. Requires List of local network ranges to be defined.

List of local network ranges
All local network addresses start with these prefixes (often "192.168.1.")

API Key

i.

<https://www.nzb.su/browse>

- SABnzbd Integration ~ <https://www.nzb.su/profileedit>

SABnzbd API Key

The api key of the SAB installation. Can be the full api key or the nzb api key (as of SAB 0.6)

API Key Type ☐ Nzb Api Key ☒ Full Api Key
Select the type of api key you entered in the above setting. Using your full SAB api key will allow you access to the SAB queue from within this site.

a.

- Make sure to enable indexer integration from SABnzbd config -> Switches -> Indexing and add the NZB indexer API Key to API Key

Indexing

☒ **Enable Indexer Integration** Indexers can supply rating information when a job is added and SABnzbd can report to the indexer if a job couldn't be completed.

API Key
This key provides identity to indexer. Check your profile on the indexer's website.

☐ **Enable Filtering** Action downloads according to filtering rules.

a.

- This key can be found in User Details section <https://www.nzb.su/profileedit>

User Details

Username

Email

Password
Only enter your password if you want to change it.

Confirm Password

Site Api/Rss Key

a.

- e. Folder setup-**This is simple, where do you want unprocessed and processed downloads to live

User Folders

NOTE Folders will be created automatically when Saving. You may use absolute paths to save outside of the default folders.

Default Base Folder: C:\Users\pcamp

Temporary Download Folder

Downloads\incomplete

Browse

Location to store unprocessed downloads.
Can only be changed when queue is empty.

Completed Download Folder

Desktop\incomplete

Browse

Location to store finished, fully processed downloads
Can be overruled by user-defined categories.

Watched Folder

Browse

Folder to monitor for .nzb files
Also scans .zip .rar and .tar.gz archives for .nzb files.

Scripts Folder

Browse

Folder containing user scripts.

- f. SABnzbd Server config - In this section you will add the UsenetServer info (see 2a,2b,2c) Note that the priority you set (if multiple servers are configured) determines which has the highest priority.

+ Add Server

news.giganews.com ?

☒ Enabled Priority: 0

Server description	news.giganews.com
Host	news.giganews.com
Port	563
<input checked="" type="checkbox"/> SSL	Secure connection to server
Username	[REDACTED]
Password	*****
Connections	50
Priority	0 <small>0 is highest priority, 99 is the lowest priority</small>

news.newshosting.com

☒ Enabled Priority: 1

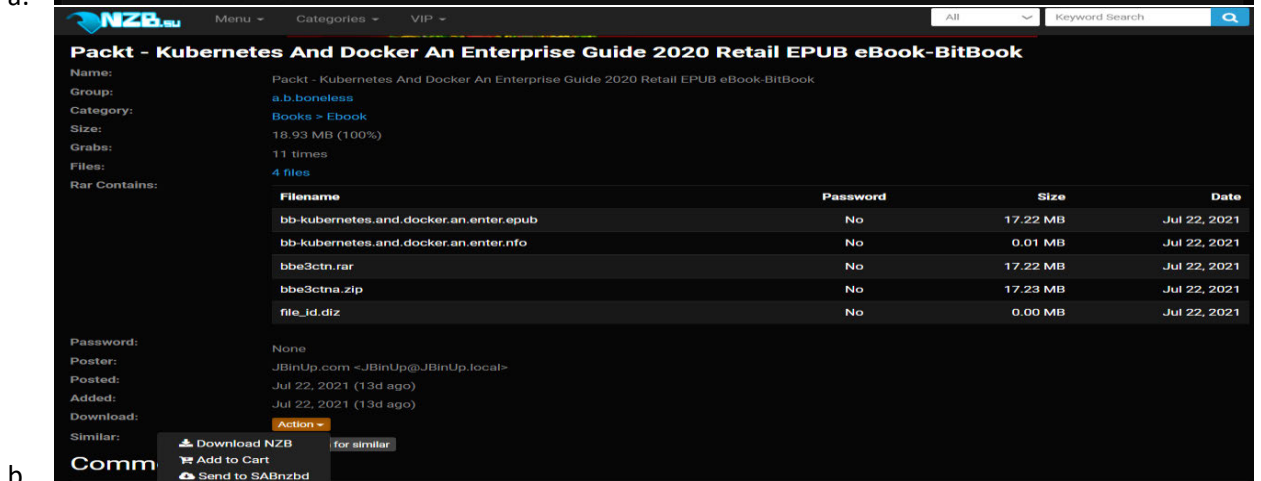
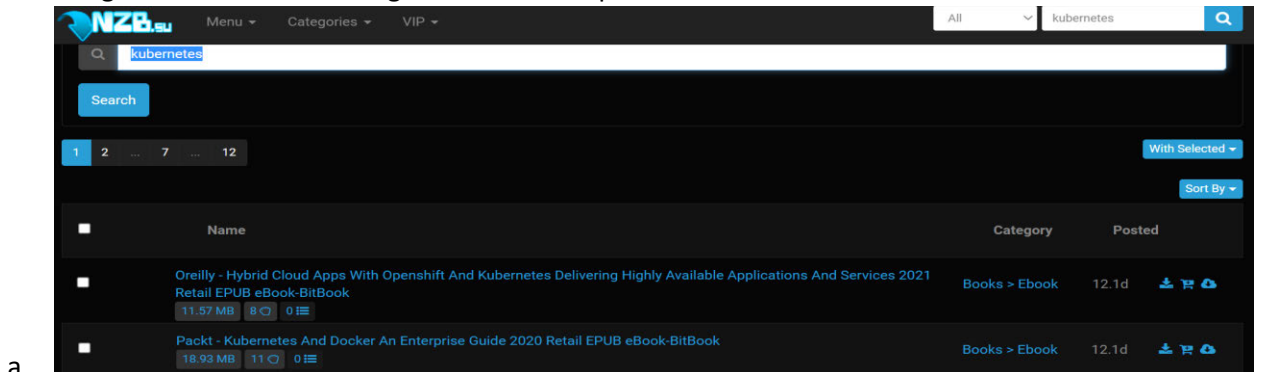
Server description	news.newshosting.com
Host	news.newshosting.com
Port	563
<input checked="" type="checkbox"/> SSL	Secure connection to server
Username	[REDACTED]
Password	*****
Connections	50
Priority	1 <small>0 is highest priority, 99 is the lowest priority</small>

news.newsdaemon.com

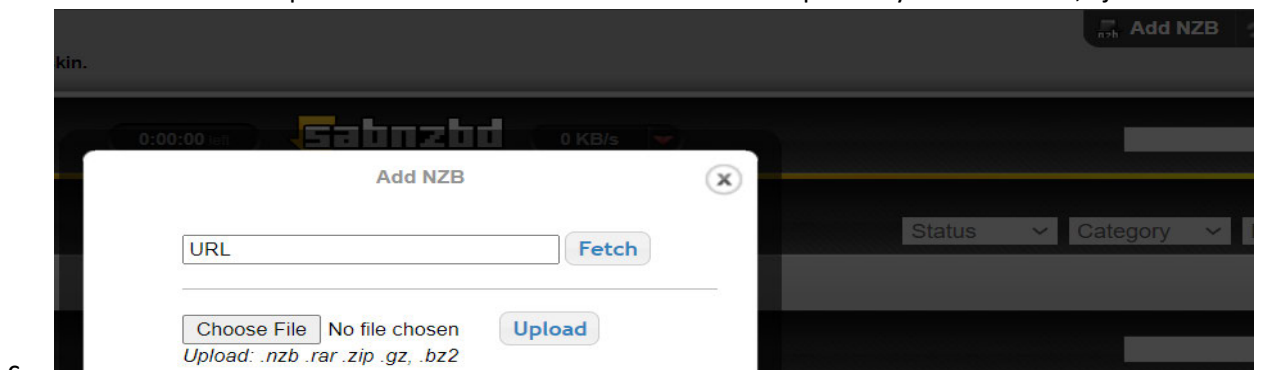
☒ Enabled Priority: 2

Server description	news.newsdaemon.com
Host	news.newsdaemon.com
Port	563
<input checked="" type="checkbox"/> SSL	Secure connection to server
Username	[REDACTED]
Password	*****
Connections	20
Priority	2 <small>0 is highest priority, 99 is the lowest priority</small>

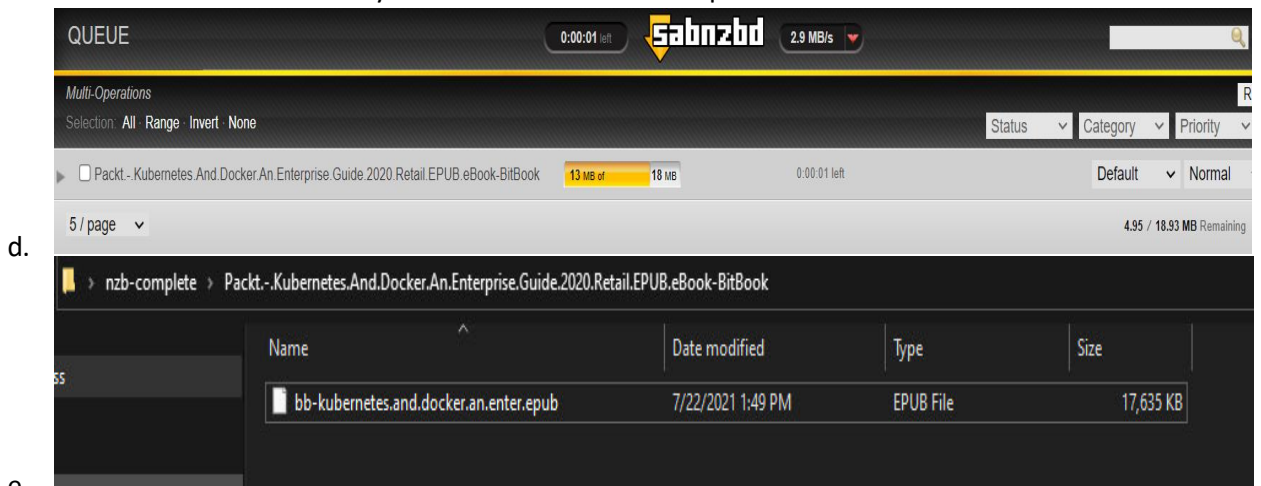
6. Downloading content – The following shows how the process works



i. Select the option of Download NZB ~ Send to SABnzbd probably works as well, I just don't use it

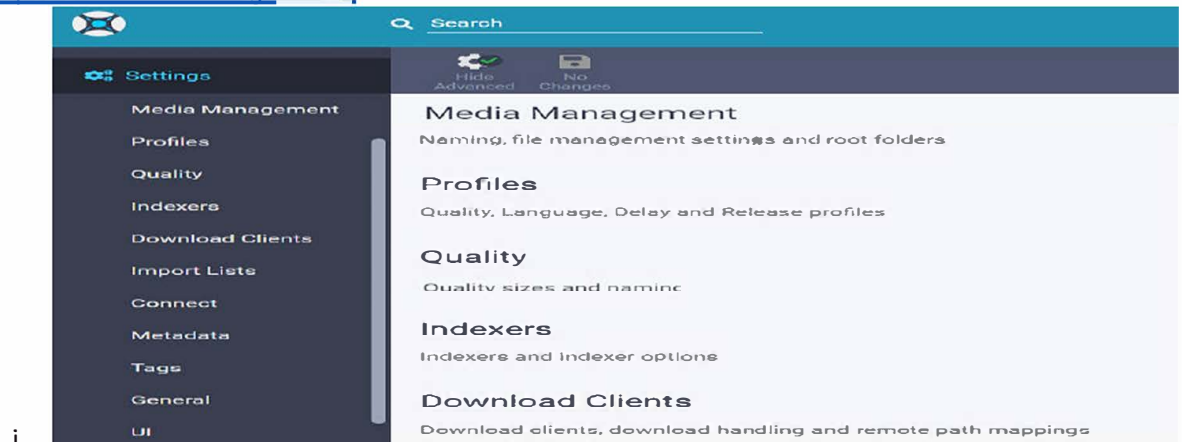


i. Select the NZB file you downloaded and then upload

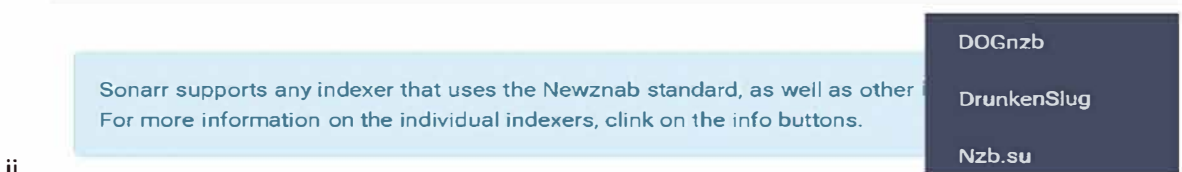


i. That's it – Now just open using an epub reader app (remember, it's Usenet – Untrusted content should only be opened in a VM and not on the host OS unless you know what you're doing)

7. Sonarr is a PVR for Usenet and BitTorrent users. It can monitor multiple RSS feeds for new episodes of your favorite shows and will grab, sort and rename them. It can also be configured to automatically upgrade the quality of files already downloaded when a better quality format becomes available.
 - a. Setup guide and download links -> <https://wiki.servarr.com/en/sonarr> & <https://sonarr.tv/>
 - b. Once installed, access sonarr locally at <http://localhost:8989/> & be sure to configure the settings section at <http://localhost:8989/settings>.



- i. Add Indexer



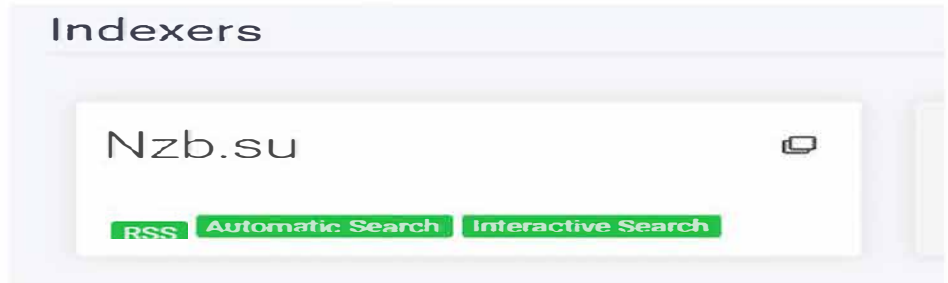
- ii.

1. When you add nzb.su make sure to grab the API key and add it

Add Indexer - undefined

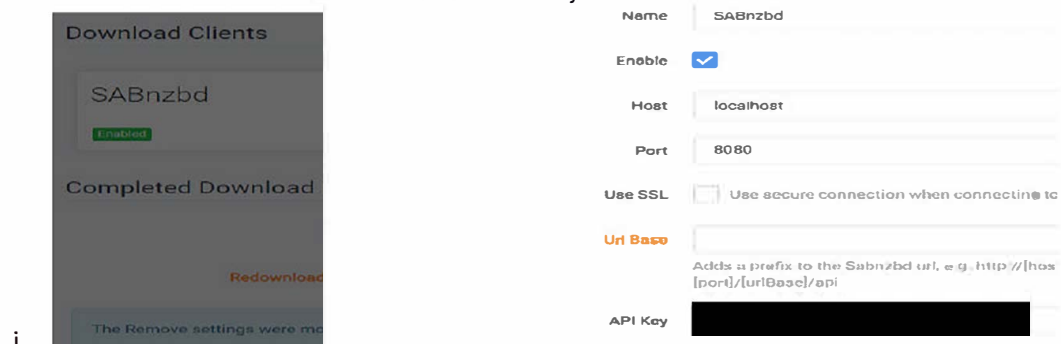
Name	Nzb.su
Enable RSS	<input checked="" type="checkbox"/>
Enable Automatic Search	<input checked="" type="checkbox"/> Will be used when automatic searches are performed via the UI or by Sonarr
Enable Interactive Search	<input checked="" type="checkbox"/> Will be used when interactive search is used
URL	https://api.nzb.su
API Path	/api
API Key	

- a.



- b.

- c. Add a download client and include the SABnzbd API Key



- i.

d. Add a new series

i.

The screenshot shows the Sonarr 'Add New' series configuration page for 'Rick and Morty (2013)'. The left sidebar contains navigation links: Series, Add New, Library Import, Mass Editor, Season Pass, Calendar, Activity, Wanted, and Settings. The main content area displays the series title 'Rick and Morty (2013)' with a 93% completion status, 'Adult Swim' network, and '5 Seasons'. A description follows: 'Follows the misadventures of an alcoholic scientist Rick and his overly nervous grandson Morty, who split their time between domestic family life and intergalactic travel. Often finding themselves in a heap of trouble that more often than not is created through their own actions.' Below this, configuration options are listed: Root Folder (P:\Rick and Morty), Monitor (All Episodes), Quality Profile (HD - 720p/1080p), Series Type (Standard), and Season Folder (checked). A 'Tags' field is also present.

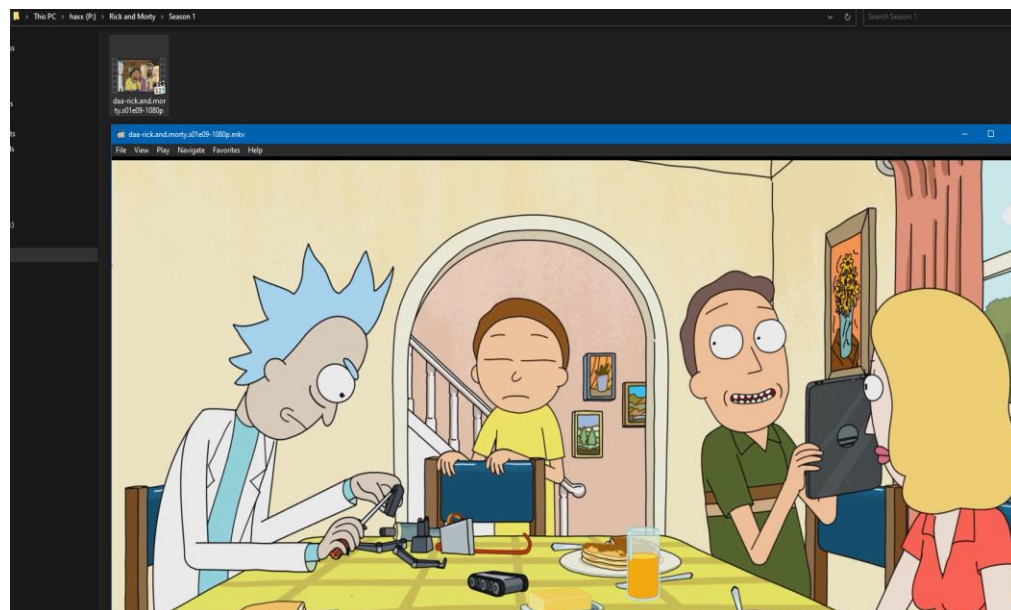
ii.

1. Once you add your chosen series with the desired configuration options, the download of the content will automatically start and going forward, any new content matching the defined series criteria will be automatically added for you

The screenshot shows the Sonarr 'Activity' tab with a list of downloaded episodes for 'Rick and Morty'. The table has columns for Series, Episode, Episode Title, Quality, Timeleft, Progress, and a delete icon. The episodes listed are:

Series	Episode	Episode Title	Quality	Timeleft	Progress	
Rick and Morty	1x01	Pilot	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x02	Lawnmower Dog	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x03	Anatomy Park	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x04	M. Night Shyam-Allen!	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x05	Meeseeks and Destroy	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x06	Rick Potion #9	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x07	Raising Gazorpazorp	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x08	Rixty Minutes	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x09	Something Ricked This Way Comes	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x10	Close Rick-Counters of the Rick Kind	Bluray 1080p	00:01:39	100%	X
Rick and Morty	1x11	Rickday Business	Bluray 1080p	00:01:39	100%	X
Rick and Morty	2x01	A Rickle in Time	Bluray 1080p	00:03:38	100%	X
Rick and Morty	2x02	Mortynight Run	Bluray 1080p	00:05:38	100%	X
Rick and Morty	2x03	Auto Erotic Assimilation	Bluray 1080p	00:07:41	100%	X
Rick and Morty	2x04	Total Rickall	Bluray 1080p	00:10:03	100%	X

iii. Content should now be available



iv.