

Configuring Services After Installing Showman

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Post-Install Verify

After [Showman](#) to install the set of containers, you'll want to confirm that everything is running as it should be.

First, let's confirm that the Docker containers are all up and listening on the appropriate ports:

```
# docker ps -a
```

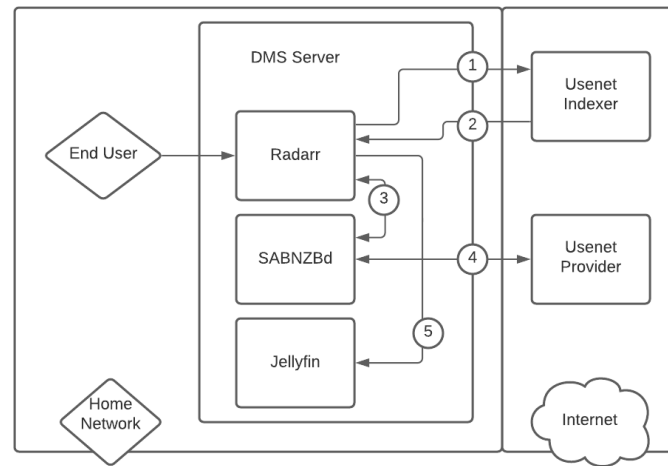
Running this command should bring up a list of the existing containers on the server and their current status. Look through the "Image" column along with the "Status" column. You should be able to see each of the services installed by Showman along with a status of "Up" for each.

You may also want to create an alias in your account's profile and update your \$PATH variable. A copy of showman.sh has been added to /opt/showman/bin/showman.sh.

```
# PATH="$PATH:/opt/showman/bin"
# alias showman='/bin/bash /root/showman/showman.sh'
```

Once you source your .bashrc file or whatever configuration file you're using for your shell, you can then call 'showman' directly to manage the state of all the docker containers.

Communication Flow of Containers



The above represents a very simplified flow of communication between the service containers used in this media server configuration. There is quite a bit more communication that happens from containers to Internet resources which serve to identify the correct content requested and retrieve metadata relating to the content.

The diagrammed steps are as follows:

1. The End User will submit a request for content (movie or tv show) by name to Radarr or Sonarr. Radarr (or Sonarr) sends a query to the Usenet Indexer asking for locations of content specified by the end user. Example: "Fight Club"
2. The Usenet Indexer responds back to Radarr with various locations of the media requested.
3. From the list of options returned, the application (Radarr or Sonarr) will choose an NZB based on a profile match or in the case of an interactive search, a manual selection by the end user. The NZB location is then passed to SABNZBd.
4. SABNZBd will then request to download the NZB from the Usenet Provider. As the information is downloaded, it will be reconstructed to the final media format and placed in the media category directory for viewing.
5. Once the media has been downloaded, rebuilt, and verified, SABNZBd will send an update to Radarr that the content has been downloaded. Radarr will send an update to Jellyfin allowing the application to re-index its list of programs it will present to the end user for viewing.

Usenet Service Provider Subscriptions

At least one subscription to a Usenet provider will be required for the media server containers to work properly. Ideally, multiple providers should be used to allow for redundancy during outages and additional coverage for content.

When choosing providers, be mindful of which backbone the service is a part of. For best redundancy and coverage, choose your second (or third) provider from a different backbone than your first. This [image](#) can help visualize how providers are related to various backbones. Usenet Providers charge an annual fee. Many providers will offer discounted rates for new customers signing up in the holiday season of November through January.

Usenet Indexers

Usenet Indexers can be thought of as a search engine for content held by Usenet Service Providers. Most indexers offer a lifetime subscription option as well as monthly/annual options. Although a single Indexer subscription will suffice, it is good guidance to have a second subscription or at least identify a second provider to ensure that downtime can be minimized in the case of an outage (rare) or a provider going out of business.

A popular Index is nzbgeek.info

SABNZBd

SABNZBd's full documentation is available on the project's [website](#). This section is meant as a quick start for the default installation by Showman.

To access SABNZBd, head to the IP address of the host where you've installed Showman on port 8080. <http://server.ip:8080/>

SABNZBd is the hardest worker in the group of containers with a number of things to configure. First, click on the gear in the top right corner of the application page







This will take you to the configuration interface which is made up of a number of tabs that we'll work our way through from left to right.



General



Select the "General" tab in this section and scroll down to "Security". Here you'll need to generate an API key. You can do this by clicking on the icon to the far right that has a circular arrow on it.

API Key	3590bf78bf3d5c285f53d3c7a6f24fa8	 
<i>This key will give 3rd party programs full access to SABnzbd.</i>		
NZB Key	57c6119d9bb08a484e9033328d3f7258	 
<i>This key will allow 3rd party programs to add NZBs to SABnzbd.</i>		

Folders








Next, we'll navigate to the "Folders" tab under configuration. Here we'll set the folders for "Incomplete Download Folder" and "Completed Download Folder" to "/incomplete-downloads" and "/downloads" respectively. Make sure these are lower case.

Default Base Folder: /config

Temporary Download Folder	/incomplete-downloads	 <input type="button" value="Browse"/>
<i>Location to store unprocessed downloads. Can only be changed when queue is empty.</i>		
Completed Download Folder	/downloads	 <input type="button" value="Browse"/>
<i>Location to store finished, fully processed downloads. Can be overruled by user-defined categories.</i>		

Servers

Next, we'll move to the "Servers" tab. In this section we'll configure access to our Usenet Servers. Click on the "Add Server" button in the top left. You'll be met with a set of fields that will need to be completed with your provider's information

Add Server 	<input checked="" type="checkbox"/> Enable <i>Enable</i>
Host	<input type="text"/>
Port	119  
<input type="checkbox"/> SSL <i>Secure connection to serve</i>	
Username	<input type="text"/>
Password	<input type="text"/>
Connections	8  
Priority	  0 is

Each of these fields should be completed. The information will be specific to your Usenet Provider and should be available to you via your account portal on the company's website. Make sure to click on "Test Server" to make sure it's working with the information you provide.

Categories

The Categories tab will assist with how to unpack and rebuild NZBs that have been downloaded by SABNZBd. All you'll need to do is create a line item for "tv" and a second for "movies".

...	tv	Default	Default
...	movies	Default	Default

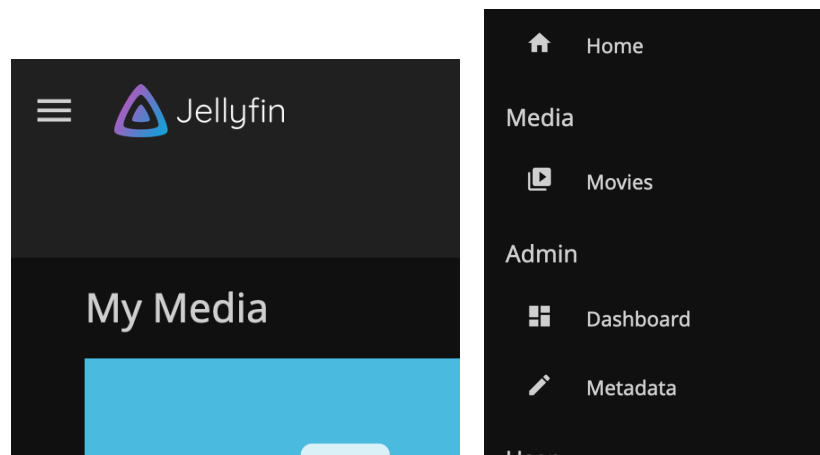
Jellyfin

Jellyfin's full documentation is available on the project's [website](#). This section is meant as a quick start for the default installation by Showman.

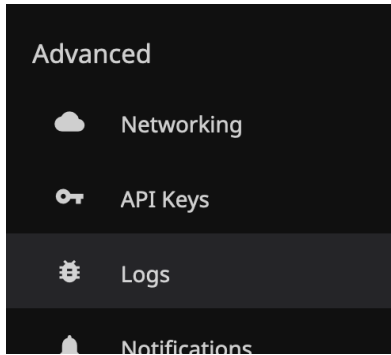
To access Jellyfin, head to the IP address of the host where you've installed showman on port 8096. <http://server.ip:8096>

On first access, Jellyfin will run you through a setup wizard. You will want to setup an admin username and password and point Jellyfin to both your '/tv' and '/movies' content folders. Once you've done this, you'll need to log into Jellyfin using the username and password you configured.

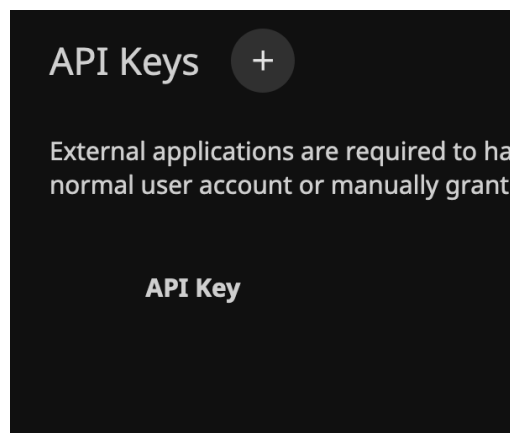
After logging in with this new user, you'll need to set up an API key for accessing Jellyfin. Click on the three horizontal lines in the top left corner of the Jellyfin screen and then select 'Dashboard'



By selecting Dashboard, the left hand column will expand to a number of new menu items. Scroll down in this list until you come to 'API Keys' and click on it.



This will update the right hand panel of the interface where you should see a + icon near the top of the window allowing you to add a new API key. You can give this key any name you would like. It will be used by Sonarr and Radarr to communicate with Jellyfin.

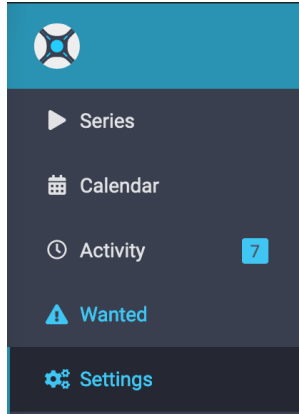


Sonarr

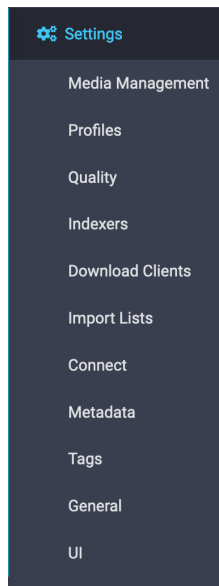
Sonarr's full documentation is available on the project's [website](#). This section is meant as a quick start for the default installation by Showman.

To access Sonarr head to the IP address of the host where you've installed Showman on port 8989. <http://server.ip:8989>

Once you've reached the Sonarr interface, click on "Settings" in the left sidebar.



Doing so will reveal additional options that you will navigate through



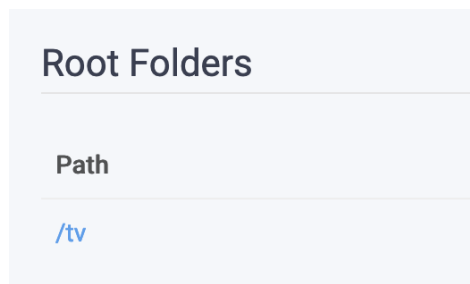
Media Management

Sonarr will move the downloaded NZB media to its final location for access by Jellyfin. In the Media Management section, we'll tell Sonarr where to move the file and how to store shows into Season Folders for easier viewing.

Check the box instructing Sonarr to replace illegal characters. Next create the Season Folder format. This will allow for all episodes from a series' season to be stored in a single folder.

Replace Illegal Characters	<input checked="" type="checkbox"/>	Replace illegal characters. If unchecked, Sonarr will remove them instead
Season Folder Format	<div>Season {season} ?</div> <div>Example: Season 1</div>	

At the bottom of this configuration screen, we'll add a root folder of "/tv"

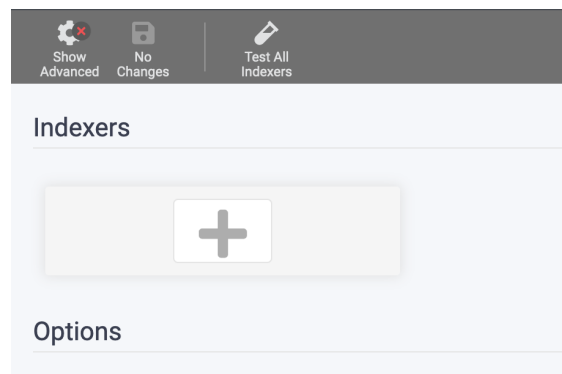


Profiles

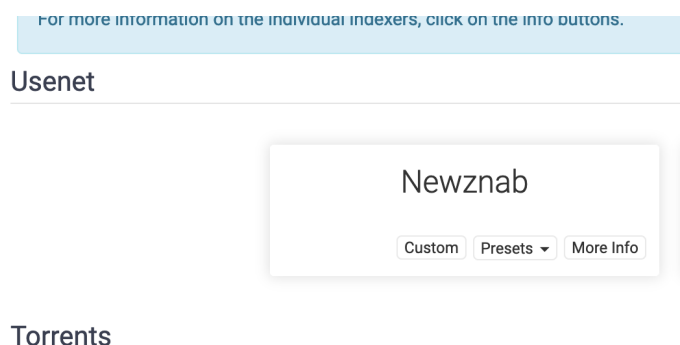
The next configuration option is Profiles. This walkthrough does not get into tuning profiles, however you should click on this section and ensure there is a profile named "Any". If you'd like to dig more into fine-tuning profile options, look through the Sonarr team's documentation.

Indexers

The Indexer configuration will tell Sonarr where to send queries each time you search for a new movie and determine if a copy is available in an NZB on Usenet . First click on the + symbol under the Indexers header



Next we'll select the "Newznab" box under the Usenet header



Finally, on this page we'll fill in the fields to direct Sonarr to our Indexer service. The URL and API key can generally be found within your Account details page on your Usenet Indexer provider's website.

Add Indexer - Newznab

×

Name

Enable RSS

☒

Enable Automatic Search

☒

Will be used when automatic searches are performed via the UI or by Radarr

Enable Interactive Search

☒

Will be used when interactive search is used

URL

API Key

Categories

Movies

Foreign

Other

SD

HD

UHD

BluRay

3D

▼

Drop down list, leave blank to disable all categories

Test

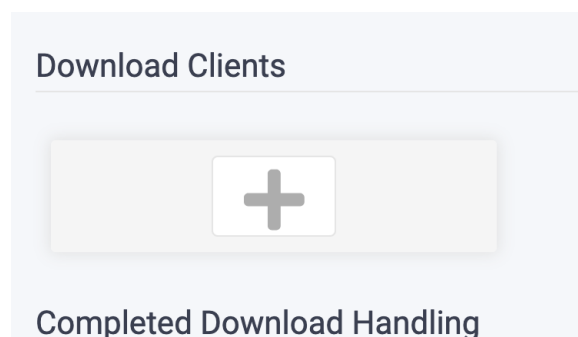
Cancel

Save

After you've filled in the fields, be sure to click the "Test" button at the bottom of that tab to confirm connectivity to your provider.

Download Clients

After your indexer has found an NZB that matches the movie you're looking for, it returns the information to Sonarr. It's then up to Sonarr to send that information to SABNZBd to download the NZB. Next we'll click on the "Download Clients" section under "Settings" to let Sonarr know how to access SABNZBd. Like we set up the Indexers, you'll click on the + to get to the configuration settings



Here we can select SABNZBd from the list of download clients

Add Download Client

Radarr supports any download client that uses the Newznab standard, as well as other download clients listed below. For more information on the individual download clients, click on the info buttons.

Usenet

Download Station More Info	NZBGet More Info	
Pneumatic More Info	SABnzbd More Info	

Torrents

The name field is free form text used to describe the download client, “SABNZBd”. You should replace the “Host” field with the IP address of the server where Showman has been installed. The API key is gathered from the Settings section of SABNZBd, which you should have configured in previous steps. **Category must be set to “tv”**.

Make sure to click on “Test” to ensure connectivity.

Add Download Client - SABnzbd



Name

Enable



Host

localhost

Port

8080

Use SSL



Use secure connection when connecting to Sabnzbd

API Key

Username

Password

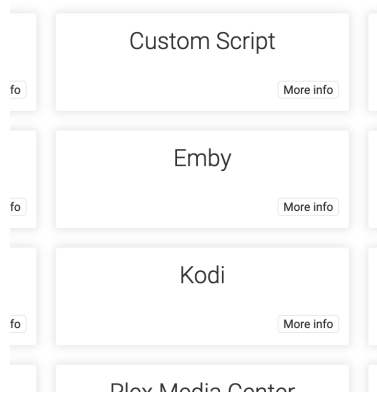
Test

Cancel

Save

Connect

Once an NZB has been downloaded successfully, Sonarr will then send a message to Jellyfin prompting the application to update it's catalog of content available for viewing. This is configured by navigating to the “Connect” options and then clicking on the + symbol. In this window, we'll select “Emby”



Sonarr will then bring up a dialog box with options to configure.

- The name field is text to identify the server. Type in Jellyfin
- Select the first 4 boxes under “Triggers”
- In the hostname section, put the IP address of the server where Jellyfin is installed
- Fill in the API key that was created as part of the Jellyfin configuration
- Check the last two boxes for “send notifications and “update library”

Radarr

Radarr’s full documentation is available on the project’s [website](#). This section is meant as a quick start for the default installation by Showman.

Access Radarr by directing your browser to the IP address of the host where you’ve installed Showman on port 7878. <http://server.ip:7878>

The remaining steps for configuring Sonarr are the exact same as the ones to configure Radarr. **The lone exception is in the configuration of Download Clients. The Category field must be set to “movies”.**

Organizr

Organizr’s full documentation is available on the project’s [website](#). This section is meant as a quick start for the default installation by Showman.

Coming soon!

Ombi

Ombi’s full documentation is available on the project’s [website](#). This section is meant as a quick start for the default installation by Showman.

Coming soon!

SWAG

Organizr's full documentation is available on the project's [website](#). This section is meant as a quick start for the default installation by Showman.

Coming soon!