

IPTVBOSS USER MANUAL



OVERVIEW:

IPTVBoss is a powerful yet quick editor that runs locally on your desktop. There are numerous advantages using IPTVBoss, for example, there are **no playlists limits**. You can add as many “layouts” as possible in your layouts screen.

You can combine as many Sources and Guides (XMLTVs) as you want and edit the playlist how you want in each playlist. When you output the M3U, it outputs a combined M3U file and a combined XMLTV file with only the channels/guide you chose, keeping the XMLTV file smaller for quicker loading times. You can automatically upload your output files to Dropbox or GDrive for automatic distribution to your IPTV clients.

<https://www.iptvboss.pro/>

[DOWNLOAD](#)

[DOCKER](#)



CLOUD PROVIDER SETUP

The recommended way to host your IPTVBoss edited M3U/XML files is via a Cloud Provider account (Dropbox or GDrive). The instructions for setting up Dropbox and Google Drive can be found below.

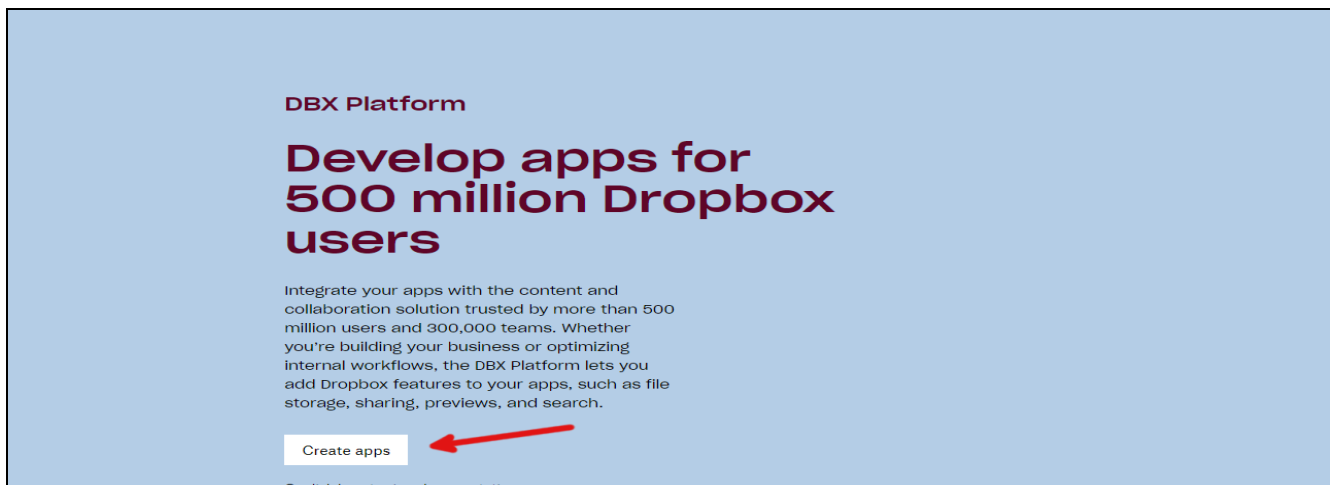
SETUP DROPBOX

IPTVBoss TUT Dropbox App Setup FINAL

If you don't have a Dropbox account, get a free account by visiting <https://www.dropbox.com/basic>. The first steps in the tutorial will explain how to setup your Dropbox cloud so that your custom playlists can be used.

Setup IPTVBoss to directly sync to Dropbox when outputting playlists

- a) After setting up a free Dropbox account, go to this link <https://www.dropbox.com/developers>
- b) Click on Create an App



- c) Choose: 1. Scoped Access 2. App Folder 3. Name your App whatever you want (the folder you named will be inside the "App" folder in Dropbox)

Create a new app on the DBX Platform

1. Choose an API

- ☒ Scoped access **New**
Select the level of access your app needs to Dropbox data. [Learn more](#)



2. Choose the type of access you need

[Learn more about access types](#)

- ☒ App folder – Access to a single folder created specifically for your app.
- ☐ Full Dropbox – Access to all files and folders in a user's Dropbox.

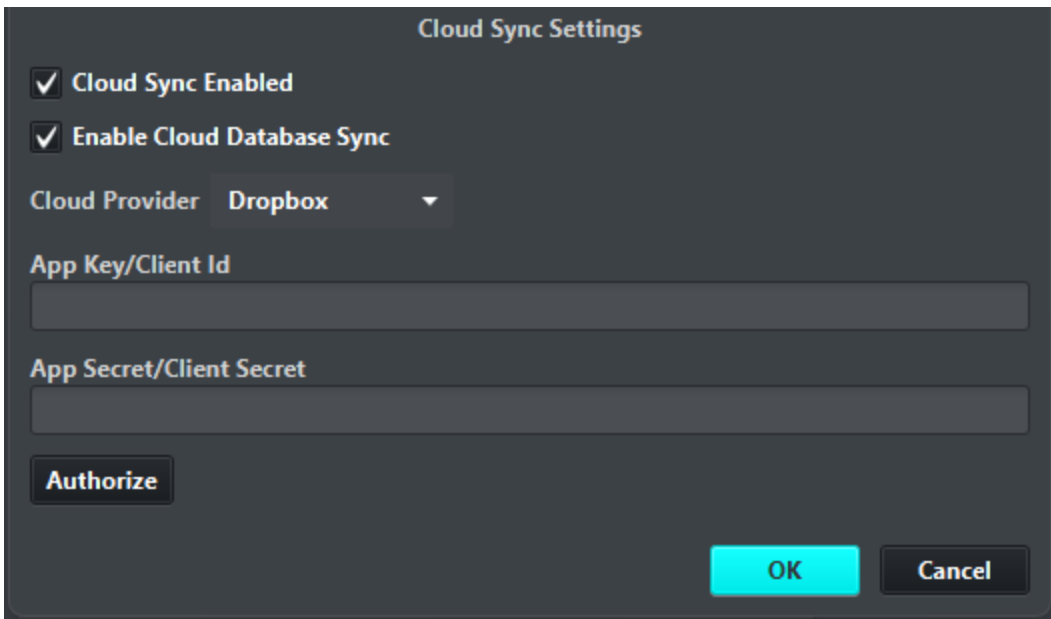
3. Name your app

Whatever Name

- d) Change the permissions of your Dropbox app, by clicking on the permissions tab & use the picture below to set your permission as required for IPTVBoss. Press the submit button.

Account Info	
Permissions that allow your app to view and manage Dropbox account info	
<input type="checkbox"/> account_info.write	View and edit basic information about your Dropbox account such as your profile photo
<input checked="" type="checkbox"/> account_info.read	View basic information about your Dropbox account such as your username, email, and country
Files and folders	
Permissions that allow your app to view and manage files and folders	
<input checked="" type="checkbox"/> files.metadata.write	View and edit information about your Dropbox files and folders
<input checked="" type="checkbox"/> files.metadata.read	View information about your Dropbox files and folders
<input checked="" type="checkbox"/> files.content.write	Edit content of your Dropbox files and folders
<input checked="" type="checkbox"/> files.content.read	View content of your Dropbox files and folders
Collaboration	
Permissions that allow your app to view and manage sharing and collaboration settings	
<input checked="" type="checkbox"/> sharing.write	View and manage your Dropbox sharing settings and collaborators
<input checked="" type="checkbox"/> sharing.read	View your Dropbox sharing settings and collaborators
<input checked="" type="checkbox"/> file_requests.write	View and manage your Dropbox file requests
<input checked="" type="checkbox"/> file_requests.read	View your Dropbox file requests
<input type="checkbox"/> contacts.write	View and manage your manually added Dropbox contacts

- e) ***The next steps are to be completed after you have started IPTVBoss.*** Open IPTVBoss and go to “Settings” then “IPTVBoss Settings”.



Cloud Sync Settings

☒ Cloud Sync Enabled

☒ Enable Cloud Database Sync

Cloud Provider **Dropbox** ▼

App Key/Client Id

App Secret/Client Secret

Authorize

OK **Cancel**

- f) Select “Dropbox” as your Cloud Provider and then enter your App Key and App Secret found on your Dropbox App Settings page.
- g) Click “Authorize”. Follow the instructions in the dialog, which will take you to a web browser to authorize dropbox and get an authorization code.
- h) Select “Cloud Sync Enabled” at the top and press “OK”.

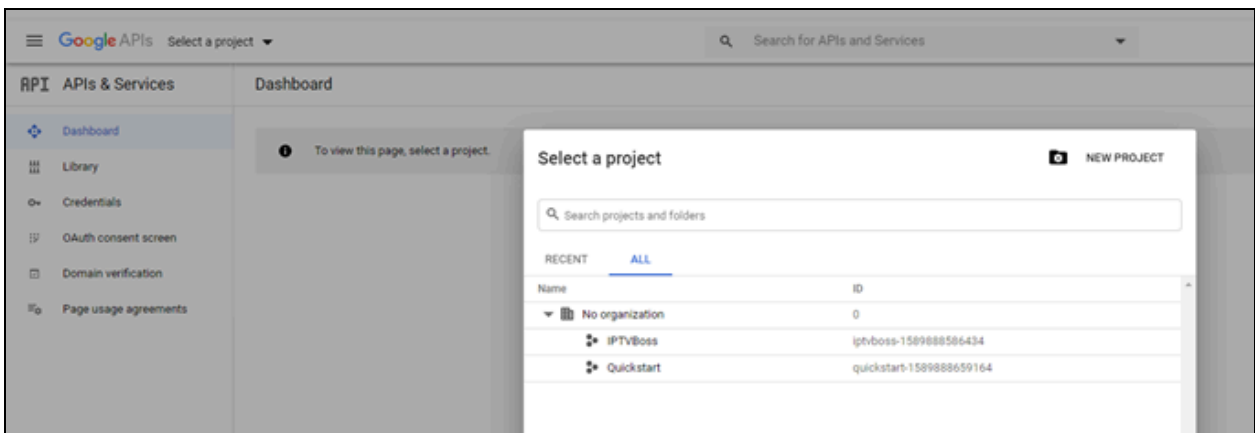
SETUP GOOGLE DRIVE

IPTVBoss TUT GDrive App Setup FINAL

Log in to your Google Account on your browser. Go to:

<https://console.developers.google.com/>

- a) Select the dropdown next to Google APIs and select New Project:



The image shows the Google APIs console dashboard. A 'Select a project' dialog is open, displaying a list of projects. The dialog has a search bar and tabs for 'RECENT' and 'ALL'. The 'ALL' tab is selected, showing a table of projects.

Name	ID
No organization	0
IPTVBoss	iptvboss-1589888586434
Quickstart	quickstart-158988859164

- b) Give your project a name and press create:

Google APIs

New Project

Warning: You have 10 projects remaining in your quota. Request an increase or delete projects. [Learn more](#)
[MANAGE QUOTAS](#)

Project name *
 IPTVBoss

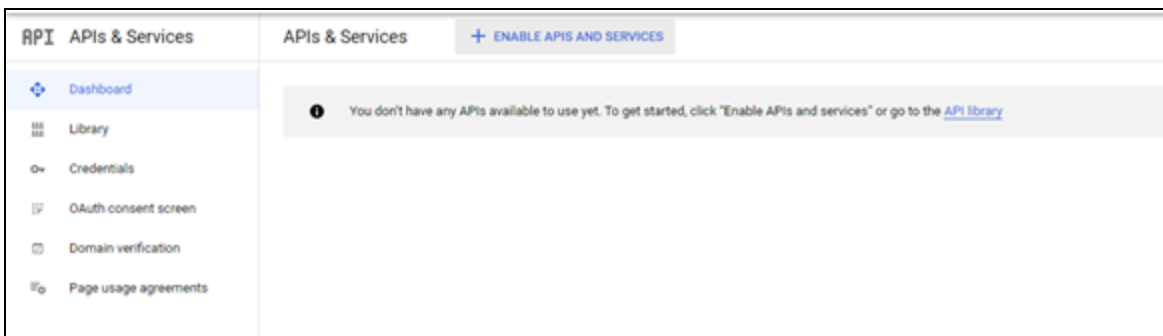
Project ID: lptvboss-286217. It cannot be changed later. [EDIT](#)

Location *
 No organization [BROWSE](#)

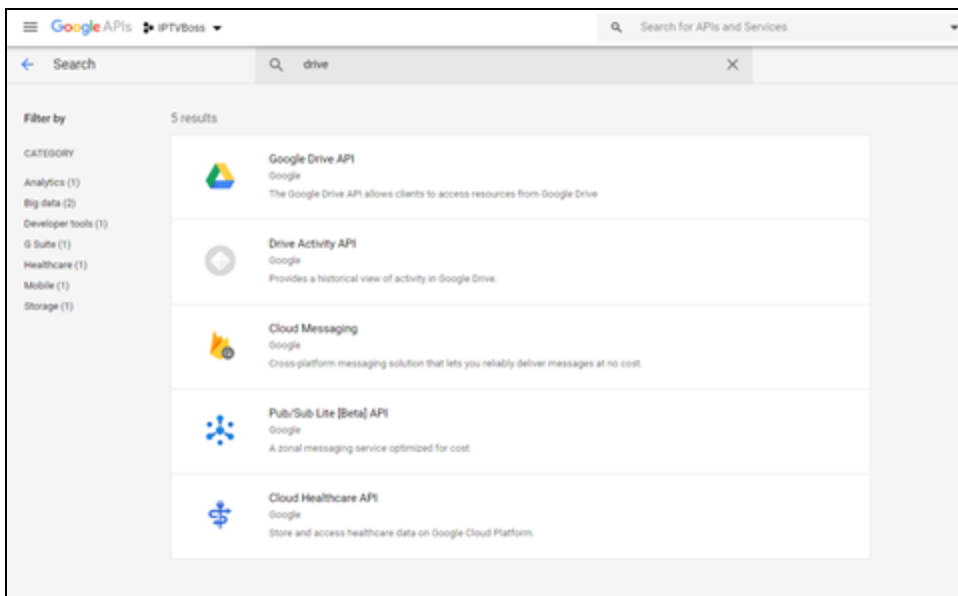
Parent organization or folder

[CREATE](#) [CANCEL](#)

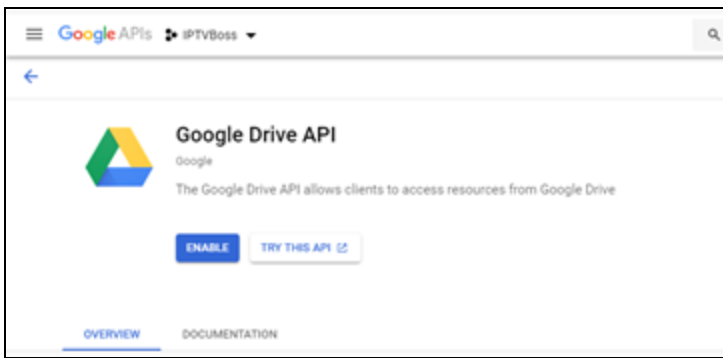
- c) Make sure the project you created is selected in the dropdown next to “Google APIs” at the top right. Then click “+ ENABLE APIS AND SERVICES”



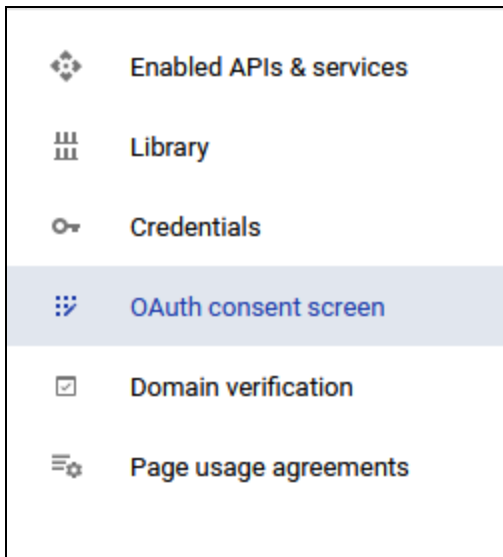
- d) Search for “drive” and then select “Google Drive API”.



- e) Click the blue “Enable” button if it is not already enabled:




f) Select “OAuth Consent Screen” on the left hand side:




g) Select “External” and press “Create”:

Choose how you want to configure and register your app, including your target users. You can only associate one app with your project.

User Type

☐ Internal 

Only available to users within your organization. You will not need to submit your app for verification. [Learn more about user type](#)

☒ External 

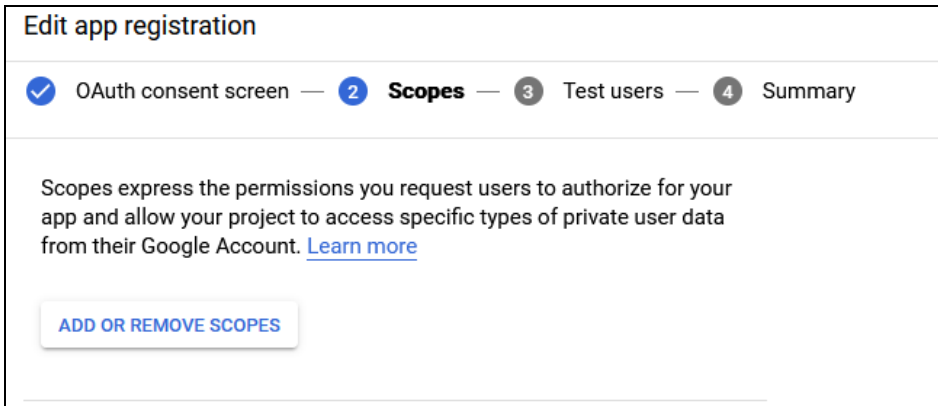
Available to any test user with a Google Account. Your app will start in testing mode and will only be available to users you add to the list of test users. Once your app is ready to push to production, you may need to verify your app. [Learn more about user type](#)

CREATE

[Let us know what you think](#) about our OAuth experience

h) Fill in the required info (App Name and Email). You do not need to fill out any field that doesn't have an asterisk. Click “Save and Continue”.

- i) On the Scopes page, click “Add or Remove Scopes”.



Edit app registration

✓ OAuth consent screen — **2 Scopes** — 3 Test users — 4 Summary

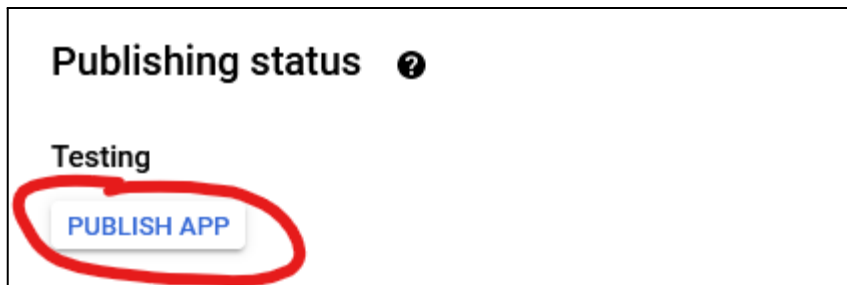
Scopes express the permissions you request users to authorize for your app and allow your project to access specific types of private user data from their Google Account. [Learn more](#)

ADD OR REMOVE SCOPES

- j) Enable “drive.appdata” and “drive.file” and click “update”. Click “Save and Continue”

<input checked="" type="checkbox"/>	Google Drive API	.../auth/drive.appdata	See, create, and delete its own configuration data in your Google Drive
<input checked="" type="checkbox"/>	Google Drive API	.../auth/drive.file	See, edit, create, and delete only the specific Google Drive files you use with this app

- k) On the Test Users page, click “Add User” and add your own email as a test user. Click “Save and Continue”.
- l) Click “Back to Dashboard”
- m) If the App is left in “Testing”, tokens will expire after 7 days. To avoid this, click “Publish App”. Then click confirm.

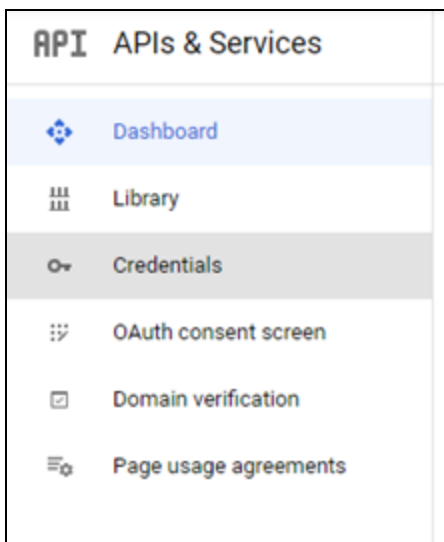


Publishing status ?

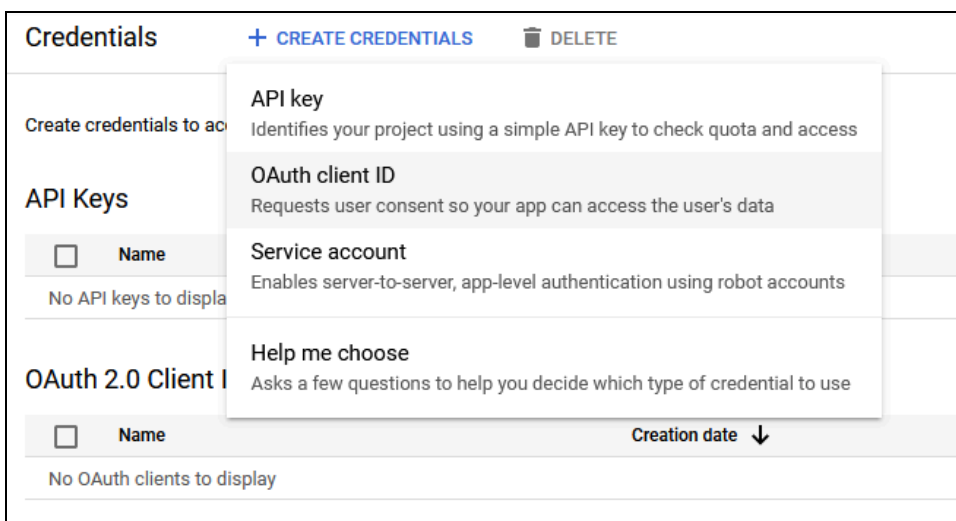
Testing

PUBLISH APP

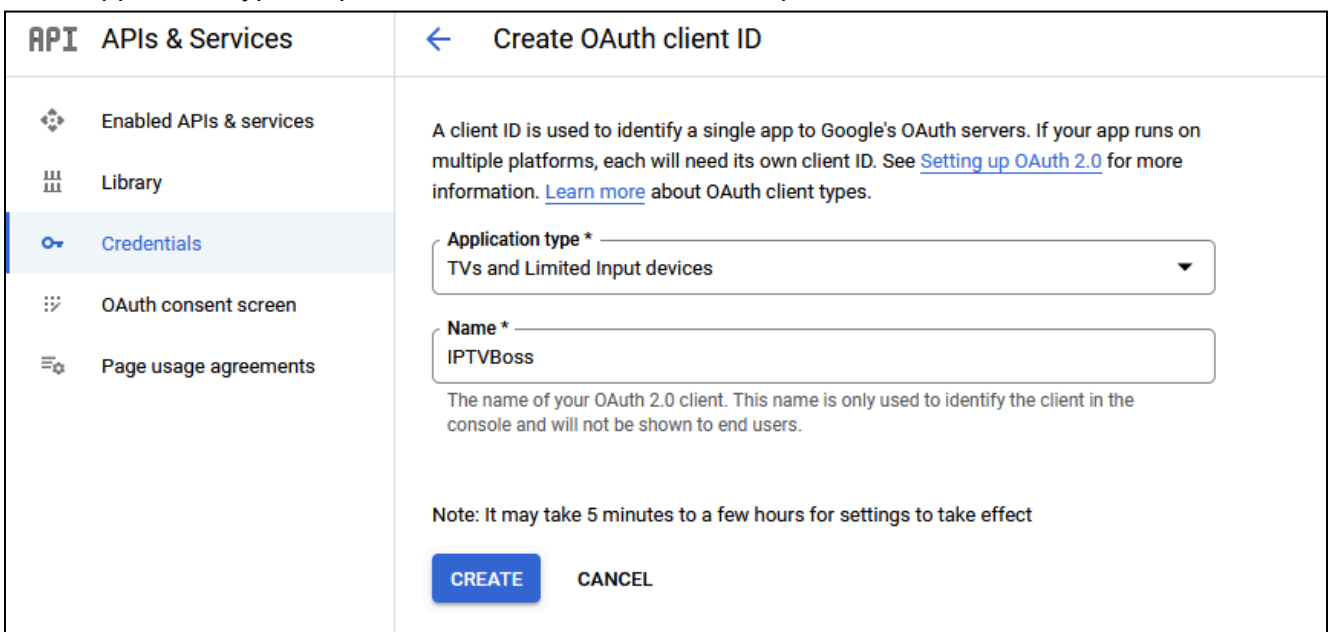
- n) Click “Credentials” on the left hand side:



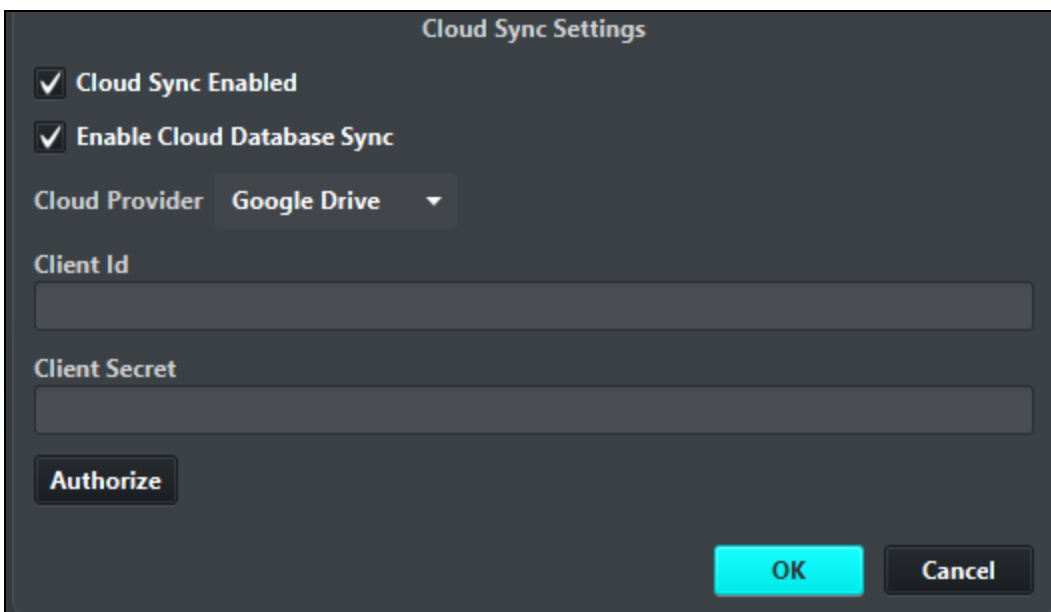
o) Click “Create Credentials” at the top and Select “OAuth client ID”



p) In the Application type dropdown, select “TVs and Limited Input devices”. Then click “Create”.



- q) Open IPTVBoss. "Goto Settings", IPTVBoss Settings. Select "Cloud Sync Enabled". From the "Cloud Provider" dropdown, select "Google Drive". Enter your Client Id and Client Secret. Press Authorize and follow the directions in the pop up.



The screenshot shows a dark-themed dialog box titled "Cloud Sync Settings". It contains two checked checkboxes: "Cloud Sync Enabled" and "Enable Cloud Database Sync". Below these is a "Cloud Provider" dropdown menu currently set to "Google Drive". There are two text input fields labeled "Client Id" and "Client Secret". At the bottom left is an "Authorize" button, and at the bottom right are "OK" and "Cancel" buttons.

IPTVBoss SETUP

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[DOCKER](#)

Having Issues?

**Now would be a good time to visit our discord
and check out the support channel!**

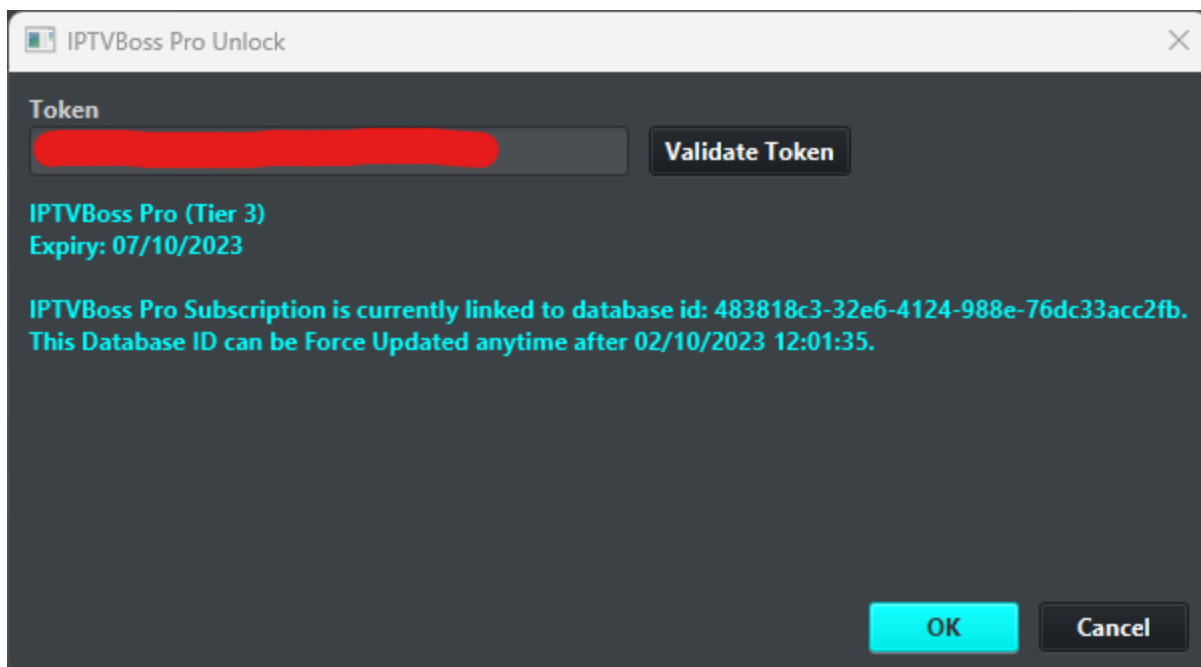
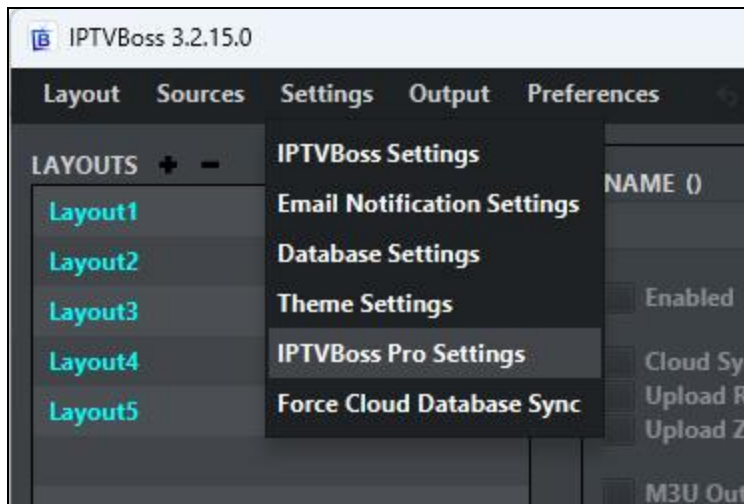
<https://discord.gg/QCxpA9yvWP>

USING IPTVBoss


BUILT IN EPG GUIDES

IPTVBoss has a built-in EPG system that can make mapping easy, however it isn't free of charge. To gain access to our built in guides, head over to <https://iptvboss.pro> and purchase a subscription for as little as \$20/year USD.

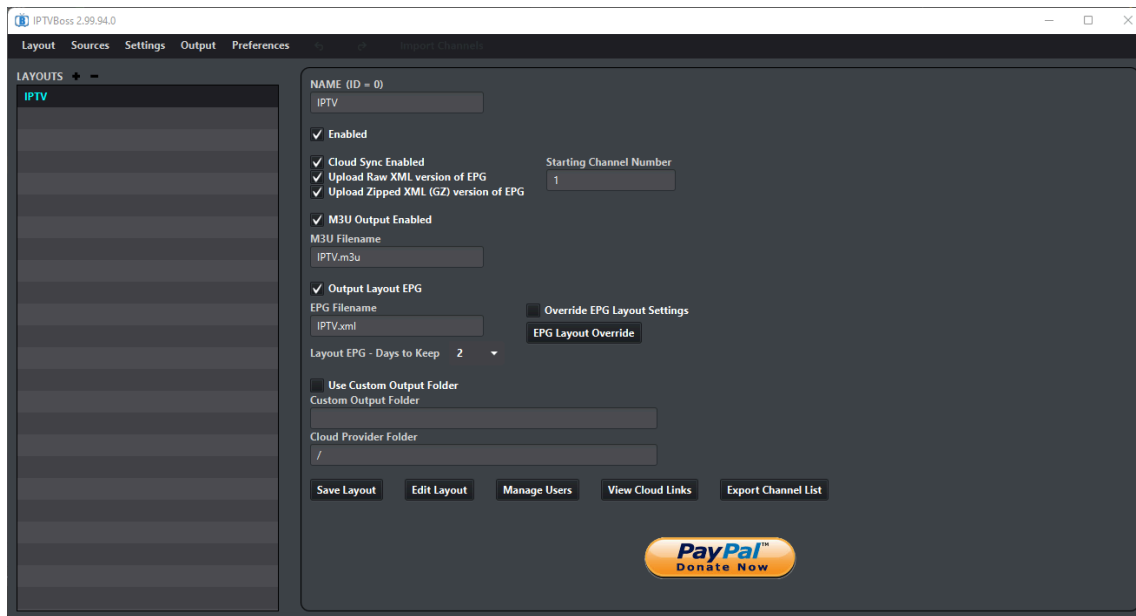
To activate your IPTVBoss Pro subscription, simply enter your IPTVBoss token (which you will receive in your welcome email from IPTVBoss) in the IPTVBoss Pro Setting dialog under the Settings menu in IPTVBoss.



LAYOUT MANAGER PANEL

 IPTVBoss First Layout Overview Final

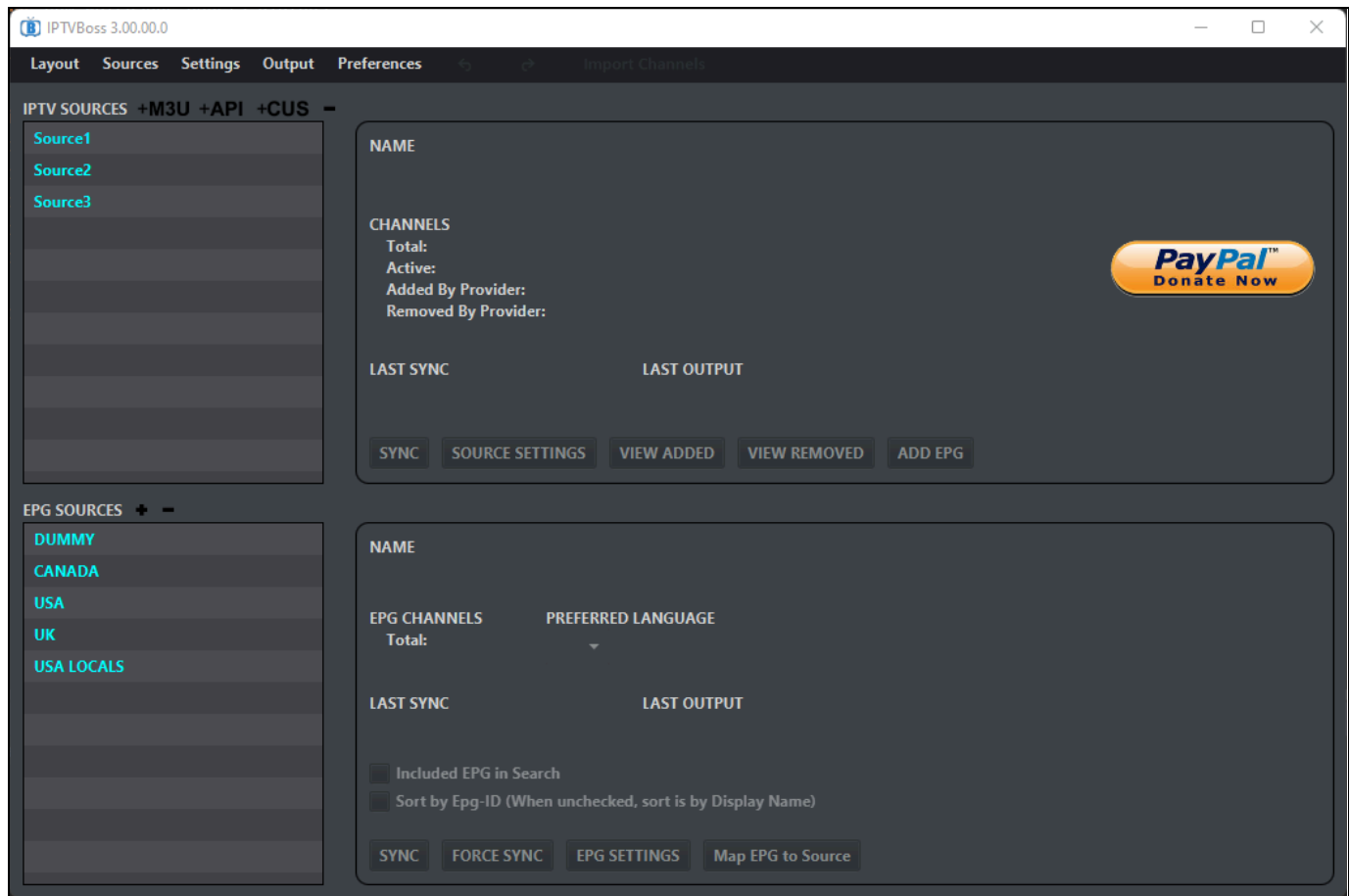
IPTVBoss Adding a 2nd Source and Creating a 2nd Layout FINAL



The layout manager panel is the main setup page of IPTVBoss. Here you will create and edit layouts that allow you to take your provider sources and epgs and customize them as you desire.

- 1) To get started, create a new layout by clicking on the “+” symbol.
- 2) Give your layout a “Name” and press ok.
- 3) Once you have your layout created, there are a range of options that can be edited:
 - a) **Enabled** - toggling this option will determine whether the layout gets synced on noGui output.
 - b) **Cloud Sync Enabled** - Select this option if you want to have the outputted m3u and epg for the layout uploaded to the cloud provider you have setup in IPTVBoss Settings.
 - c) **Upload Raw XML** - When enabled, IPTVBoss will upload your epg to your cloud provider.
 - d) **Upload Zipped XML (GZ)** - When enabled, IPTVBoss will upload a compressed version of your epg to your cloud provider.
 - e) **M3U Output Enabled** - When enabled, IPTVBoss will output a m3u on noGui sync.
 - f) **M3U Filename** - The name you want your m3u file to have. Must end in “.m3u”
 - g) **Output Layout EPG** - When enabled, IPTVBoss will output a layout specific EPG.
 - h) **EPG Filename** - The name you want your epg file to have. Must end in “.xml”
 - i) **Layout EPG - Days to Keep** - This allows you to edit the days to keep in the epg if you would like a smaller XML file for some reason.
 - j) **Override EPG Layout Settings** - Allows you to use separate layout settings for the EPG for this layout. The layout settings can be customized using the “Epg Layout Override” button.
 - k) **Use Custom Output Folder** - When enabled, IPTVBoss will use the “Custom Output Folder” as the location where your outputted m3u and xml are saved locally on your computer.
 - l) **Custom Output Folder** - The location where your outputted m3u and xml are saved locally on your computer if the “Use Custom Output Folder” option is enabled.
 - m) **Cloud Provider Folder** - This option lets you set a subfolder that your outputted files will appear in within your cloud provider.
- 4) The Buttons:
 - a) **Save Layout** - Saves all layout settings.
 - b) **Edit Layout** - Opens the selected layout for editing.
 - c) **Manage Users** - Opens a dialog where you can enable and disable users for this layout.
 - d) **View Cloud Links** - Opens a dialog that displays your cloud links for use in your preferred IPTV Player. Links are not visible until after your first successful output has been completed and uploaded to your cloud provider.

SOURCES MANAGER PANEL



The Sources Manager panel is where you will manage all your iptv sources you want to edit and epg sources you want to use. The Sources Manager can be found under the “Sources Menu”.

Managing Playlist Sources:

Playlist sources can be added in 2 ways. Either through m3u links or through API for providers that use XC API based systems. ****Note: API is recommended wherever possible.**

- 1) Adding an M3U - Name the playlist. (Do Not use symbols in the name). Paste the M3U URL from your IPTV service or use “Browse” if the M3U is in a local directory.**
 - a) IMPORTANT: If your playlist uses a username and password in the video links, and you are planning to have multiple users or possibly convert to XC later, then enable Source Uses Username/Password and enter the Username and Password in the text boxes.**
- 2) Adding an API Line - Name the playlist. Add your IPTV service’s username/password. Finally, add IPTV URL up until the port (some providers don’t have port numbers)**
eg. http://myiptvservice.net:1234

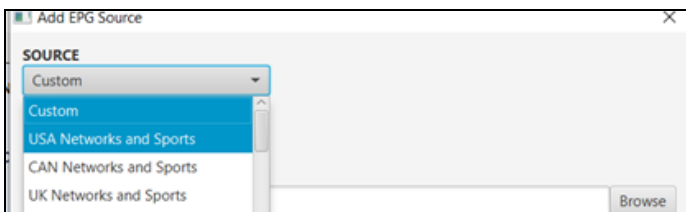
Whichever method you use, you next “Load Categories” Then you can highlight (multi-select using ‘ctrl’) and right click to deselect groups that you do not want to sync/edit.

Playlist Options:

- a) **Prefix/Suffix:** If a valid is entered in this box, it will use the String as a prefix/suffix for all channels that are outputted from this source.
- b) **Source Color** - Allows you to select the color that channels from this playlist will appear when viewing them in the Layout editor.
- c) **Ignore VOD** - When selected the playlist will not sync VOD channels.
- d) **Ignore Series** - When selected the playlist will not sync SERIES channels.
- e) **Automatically Sync Source on GUI Start** - This option sets whether or not a playlist is sync with the provider on a GUI start. The default setting in unselected.
- f) **Automatically Enable New Groups Added by Provider** - When selected, any new groups that your provider adds will be automatically enabled in the playlist and show up in the Layout editor.
- g) **Automatically Clear Channels Removed by Provider after ____ Days** - When selected any channels removed by your providers will automatically be removed from the Layout editors if they do not return before the number of days set.
- h) **Provider Uses Tokens (M3U option only)** - When selected, IPTVBoss will use channel names as the “Key” for the channel within the database instead of the stream id. This setting is only recommended if your provider uses a token system where streams ids change regularly.
- i) **Use API for Series** - This setting makes IPTVBoss use API for series channels. This is very slow and should only be used if your provider does not all “M3U”.

Managing EPG Sources

- a) **Add EPG - Name the EPG Source.** To use the IPTVBoss built-in guides (Requires a subscription from <https://epgboss.com>, click the dropdown window in “Source” and choose the EPG you want to add. You can also add your own EPG by pasting the URL.



- b) **EPG Layout Settings** - A feature that sets IPTVBoss apart from other editors, is the ability to edit EPG Layout. TiViMate and Implayer both support “Two-line program titles”, enable it to take advantage of EPG customization.

****You can drag/drop components from the bottom into the Title & Description windows, however, most Apps are limited to how much you can add to Title/Description.**

****Your EPG source must have these components in order to take advantage of EPG customization. Zap2it, TV Guide, and Schedules Direct have most of these components.**

An example of a custom EPG setting I use is pictured below.

EPG LAYOUT

Title

TITLE

NEW_TAG

NEXT_LINE

SUBTITLE_SPORTS

Description

EPISODE_NUMBER

SUBTITLE_NONSPORTS

NEXT_LINE

DESCRIPTION

Remove Components

DATE

SUBTITLE

AUDIO

CREDITS

PREVIOUSLY_SHOWN

RATING

LANGUAGE

ICON

SUBTITLES_TYPE

LENGTH

VIDEO

TITLE

SUBTITLE

NEW_TAG

SUBTITLE_SPORTS

SUBTITLE_NONSPORTS

NEXT_LINE

DESCRIPTION

CATEGORY

RATING

CREDITS

VIDEO

AUDIO

EPISODE_NUMBER

PREVIOUSLY_SHOWN

DATE

LENGTH

ICON


LANGUAGE





SUBTITLES_TYPE









Copy Layout From

****TIP:** If you find an EPG Layout you like and want to use the layout for other EPG sources, you can use the “Copy Layout From” button. Just add the new EPG source, use the dropdown box to choose the EPG source’s layout you want to copy from, and click the “Copy Layout From” button.

These are examples of the results using the above settings.

	Alaska: The Last Frontier: The Frozen Edge ^{New}		Alaskan Bush People: Wild Life ^{New}	
	Alaska: The Last Frontier: The Frozen Edge ^{New} 08:00 PM — 09:00 PM — 41 min S09E06 Protecting the Herd Jane and Charlotte face bear country to reach an ill cow at the head of the bay and on Perl Island quest to expand the grazing land; Otto surprises Charlotte with an unforgettable gift.			
ANTENNA TV	Family Ties		Growing Pains	Designing Women

 ELEVEN Sports Local	Simulation Football League ^{New}			
 ESPN Local	College Basketball ^{New} Texas at Kansas			
 ESPN NEWS Local	Around the Horn	Pardon the Interruption		Jalen & Jacoby ^{New}
 ESPN U Local	College Football Live	College Football Live	College Basketball	

		<div>Storage Wars</div> <div>08:00 PM — 08:30 PM</div> <div>S03E05 A Civil Accordion</div> <div>The buyers look for deals in City of Industry, Calif.; Dave makes a profit; Barry visits the "King of Kitsch."</div>				
Tue, Oct 20, 5:22 PM		08:00 PM	08:30 PM	09:00 PM	09:30 PM	10:00 PM
 [US] A&E		Storage Wars	Storage Wars	Storage Wars	Storage Wars	Storage Wars
 TX Houston ABC KTRK		The Bachelorette ^{New}		Supermarket Sweep		13 Eye ^{New}
 [US] ABC EAST		The Bachelorette ^{New}		Supermarket Sweep		WCPO
 [US] ABC WEST		Eyewitness News 6PM ^{New}	ABC World News Tonight With David Muir ^{New}	Jeopardy! ^{New}	Wheel of Fortune ^{New}	The Bachelor
 [US] ACCUWEATHER		Accuweather				Accuweather
 [US] ADULT SWIM (8PM-5AM)		Family Guy	Family Guy	King of the Hill	King of the Hill	Rick and Morty
 [US] AMC		Halloween 4: The Return of Michael Myers		Psycho		
 [US] AMC+		The Dead Lands	The Dead Lands	The Dead Lands	The Dead Lands	

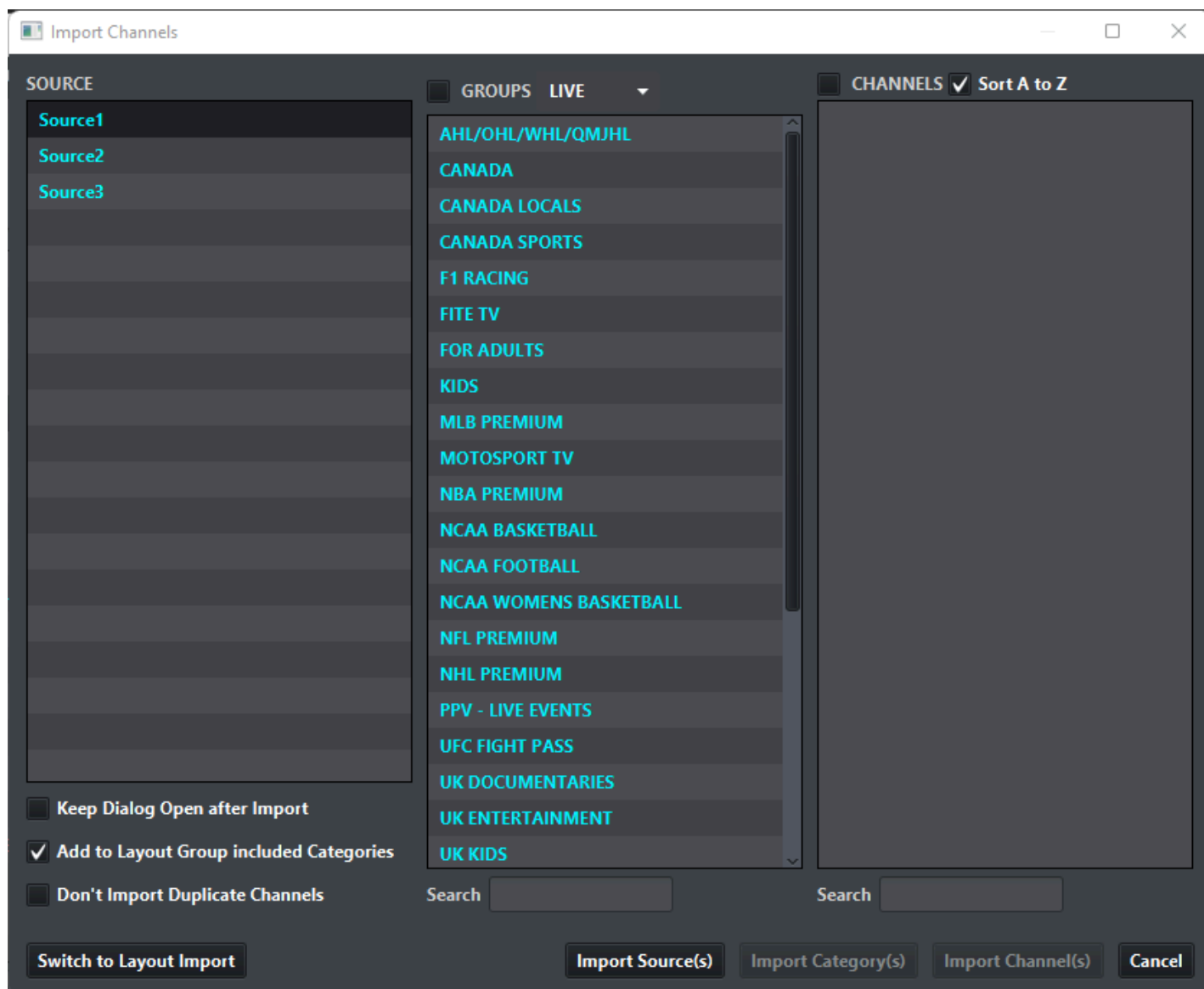
LAYOUT EDITOR PANEL

To open the Layout Editor, Click on “Layout Editor” in the “Layout” menu of the toolbar.

Importing Channels

Before you can start doing any editing, you first have to import channels from the IPTV Sources you added earlier. To start importing, click “Import Channels” in the top menu. This will open to the most recent Import Dialog you’ve used (on first press, it will open the Import Channels from Sources dialog).

Import Channels From Sources Dialog



In this GUI, you import channels from your sources into your layout. You can import by “Source”, which imports all enabled groups from the selected Sources; you can import by Category, which imports all selected Categories; or you can import by Channel, which imports a single or group of selected Channels.

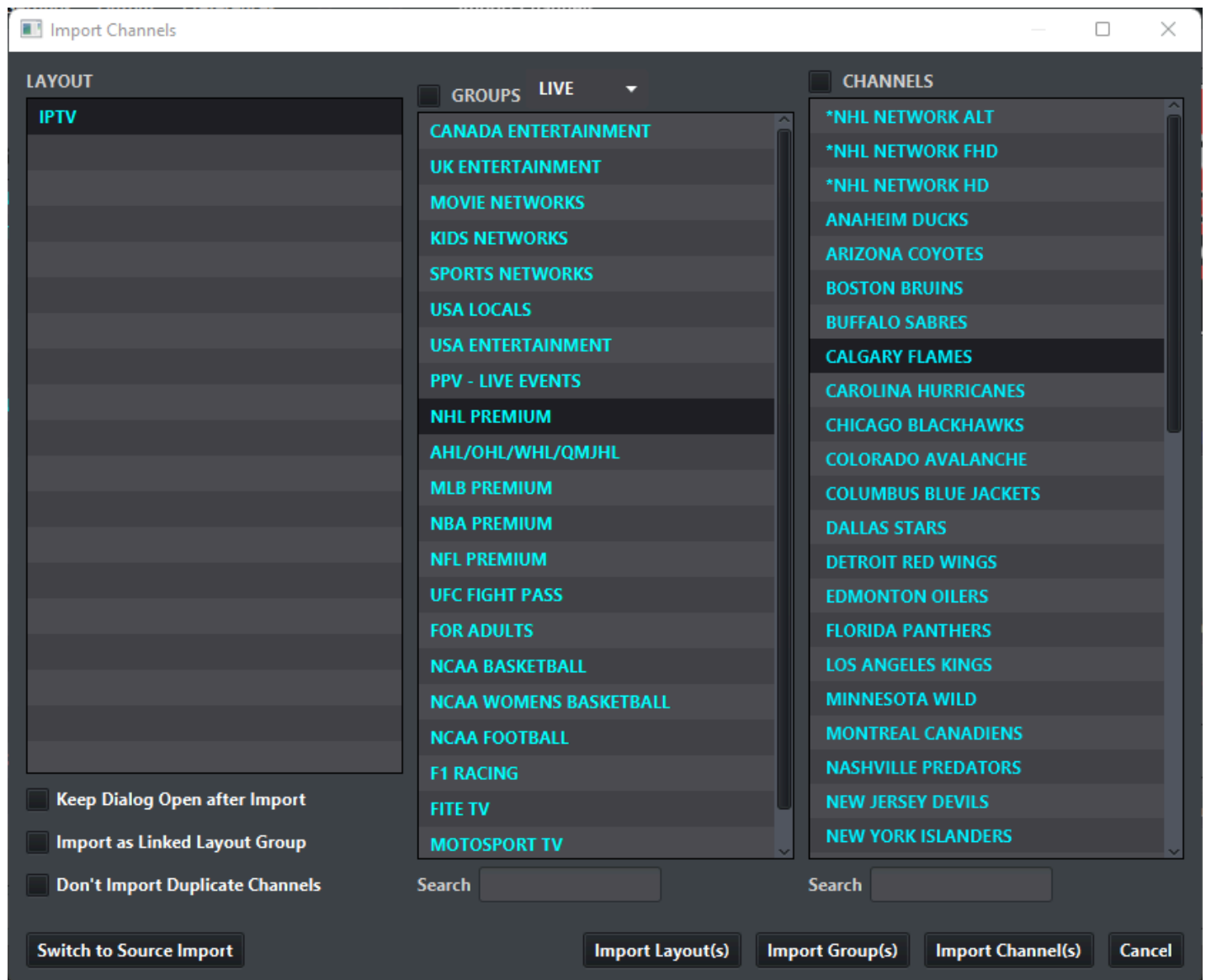
Multi-selecting groups, will put the channels from all selected groups in the Channels list. You can use the Search boxes at the bottom of either Groups or Channels to filter the lists by your search term.

NOTE: Channels can be imported more than once. And if a Layout Group that already exists has the same name as a Category, then all channels imported from that Category will go into the Layout Group of the same name.

Options:

- a) **Keep Dialog Open After Import** - This keeps the dialog open after you press an import button. Great for when manually adding individual groups or channels.
- b) **Add to Layout Group included Categories** - This option (enabled by default) sets the Layout Group to include this category. This means that new Channels that are added to this Category by your provider, will automatically be imported into this Layout Group.
- c) **Don't Import Duplicate Channels** - This setting will stop the importer from importing a duplicate channel into a Layout Group.

Import Channels From Layouts Dialog



In this GUI, you import channels from your existing layouts into another layout. You can import by “Layout”, which imports all enabled groups from the selected Layouts; you can import by Group, which imports all selected Groups; or you can import by Channel, which imports a single or group of selected Channels.

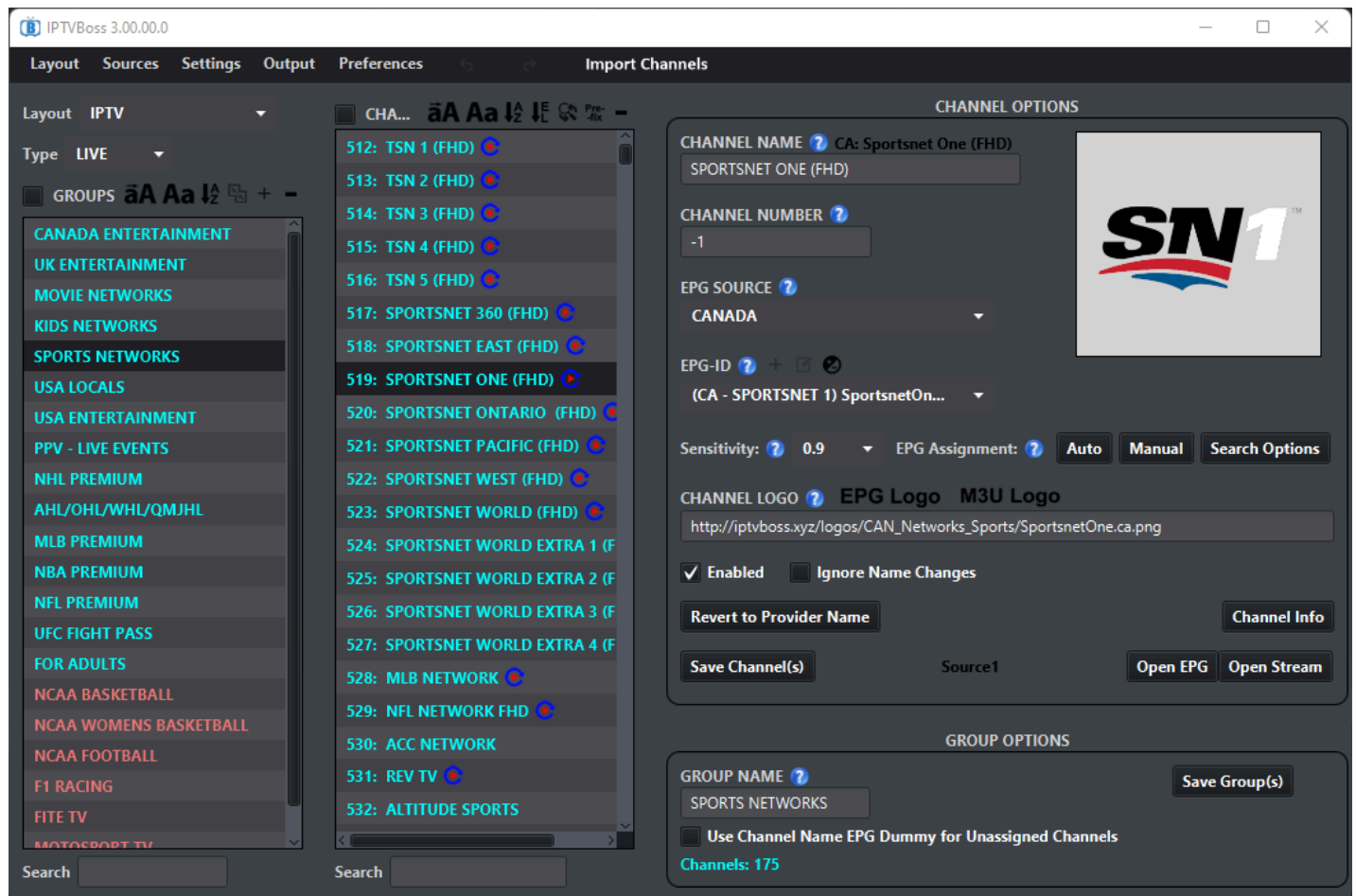
Multi-selecting groups, will put the channels from all selected groups in the Channels list. You can use the Search boxes at the bottom of either Groups or Channels to filter the lists by your search term.

NOTE: Channels can be imported more than once. And if a Layout Group that already exists has the same name as a Group, then all channels imported from that Group will go into the Layout Group of the same name.

Options:

- d) **Keep Dialog Open After Import** - This keeps the dialog open after you press an import button. Great for when manually adding individual groups or channels.
- e) **Import as Linked Layout Group** - This option is useful for when you are handling multiple layouts. It adds a carbon copy of the selected group into the new Layout. This group is not editable in the new layout, but any changes made to this group in the original layout will be outputted in the new layout as well.
- f) **Don't Import Duplicate Channels** - This setting will stop the importer from importing a duplicate channel into a Layout Group.

Editing Layouts



Most function/actions that are completed on this panel can be undone or redone using the “Undo” and “Redo” functions on the top toolbar.

Groups List and Channels List (left side of app)

1. Basic Functions:
 - a. Right click to enable/disable groups & channels. Disabled Groups/Channels will appear red.
 - b. Shift + Right click to completely remove a group/channel from a list.
 - c. Drag groups/channels to rearrange the Layout order
 - d. Drag channels to move between groups.
 - e. Multi-select groups or channels by using the “Select All” box or highlighting items while using shift or ctrl.

2. Group List Buttons (Left to Right):
 - a. Convert text to Uppercase
 - b. Convert text to Sentence Case
 - c. Sort A to Z
 - d. Merge
 - e. Add Group
 - f. Remove Group
3. Channel List Buttons (Left to Right):
 - a. Convert text to Uppercase
 - b. Convert text to Sentence Case
 - c. Sort A to Z
 - d. Sort by Missing Epg/Logos
 - e. Find and Replace
 - f. Add Prefix/Suffix
 - g. Remove Channel

Channel Options (top right of app)

In channel options, you can customize the channel to your liking by changing a variety of different fields. Many of the settings (like checkboxes) will auto save, but it is important to press the “Save Channel(s)” button when making some changes.

1. **Channel Name** - Displays the current channel name. You can edit the channel name as you choose. The text to the right of the Channel Name label shows the original channel name as provided by the playlist source.
2. **Channel Number** - Displays the current channel number of the channel. You can enter the channel number you want for this channel. If -1 is entered, IPTVBoss will create a channel number based on layout layout.
3. **EPG Source** - Displays the currently selected EPG Source for the channel. You can use this dropdown in conjunction with the EPG-ID dropdown to set a channels Epg-Id. ***READ SECTION BELOW FOR TIPS ON EPG ASSIGNMENT!***
 - a. EPG Assignment - AUTO: Pressing this button will make IPTVBoss try to automatically detect the Epg-Id for this channel based on the currently selected EPG Sources in “Search Options” .
 - b. EPG Assignment - MANUAL: Pressing this button will make IPTVBoss try to automatically detect the Epg-Id for this channel based on the currently selected EPG Sources. It will pull up a list of best selections where you can choose the correct EPG or enter a custom search value.
 - c. EPG Sensitivity: This dropdown sets how sensitive the EPG Auto search settings are. The lower this setting, the more likely you may get an incorrect result.
4. **EPG-ID** - Displays the current Epg-id of the channel. You can use the dropbox to change the Epg-id manually.
5. **Channel Logo**: Displays the current logo html link. To view the logo, you can click the image box at the top right if auto-load logos is not enabled.
 - a. EPG Logo Button: Pressing this button will import the logo link from your selected EPG if there is one available.
 - b. M3U Logo Button: Pressing this button will import the logo from your provided M3U/API source.
6. **Channel Enabled** - Shows the channel status and allows you to toggle the channel between enabled and disabled.
7. **Ignore Name Changes** - When this setting is enabled, the channel will ignore any name changes made by the provider.
8. **Revert to Provider Name** - Will revert the channel name back to the provider name.
9. **Channel Info Button** - This button will open a dialog that shows some basic information, including stream link, for each channel.
10. **Save Channel Button** - Use this button to save changes made to a channel (Not necessary for checkboxes and Auto and Manual EPG assignment)
11. **Open EPG** - Opens the EPG Browser Channel to this channel. See EPG Browser Section below.

12. **Open Stream** - Opens the stream for viewing in a separate window. This button requires that you have VLC installed on your computer and that the VLC Architecture (x86, x64) matches the Architecture of your JAVA version.

Bulk Editing: To bulk edit, highlight the channels you want and the channel options will gray out. To unlock editing, you click on the actual category label.

ex. to bulk edit “Channel Logos”, select all the channels to edit, and click on the actual word “Channel Logos” and it will no longer be grayed out.

Group Options (bottom left of app)

In group options, you can customize the group to your liking by changing a variety of different fields. Many of the settings (like checkboxes) will auto save, but it is important to press the “Save Group(s)” button when making some changes.

1. **Group Name** - Displays the current group name. You can edit the channel name as you choose.
 2. **Use Channel Name EPG Dummy for Unassigned Channels** - This will force any channels not assigned an EPG to automatically use a “Channel Name EPG Dummy”.
 3. **Save Groups Button** - Use this button to save changes made to a group.
- g)

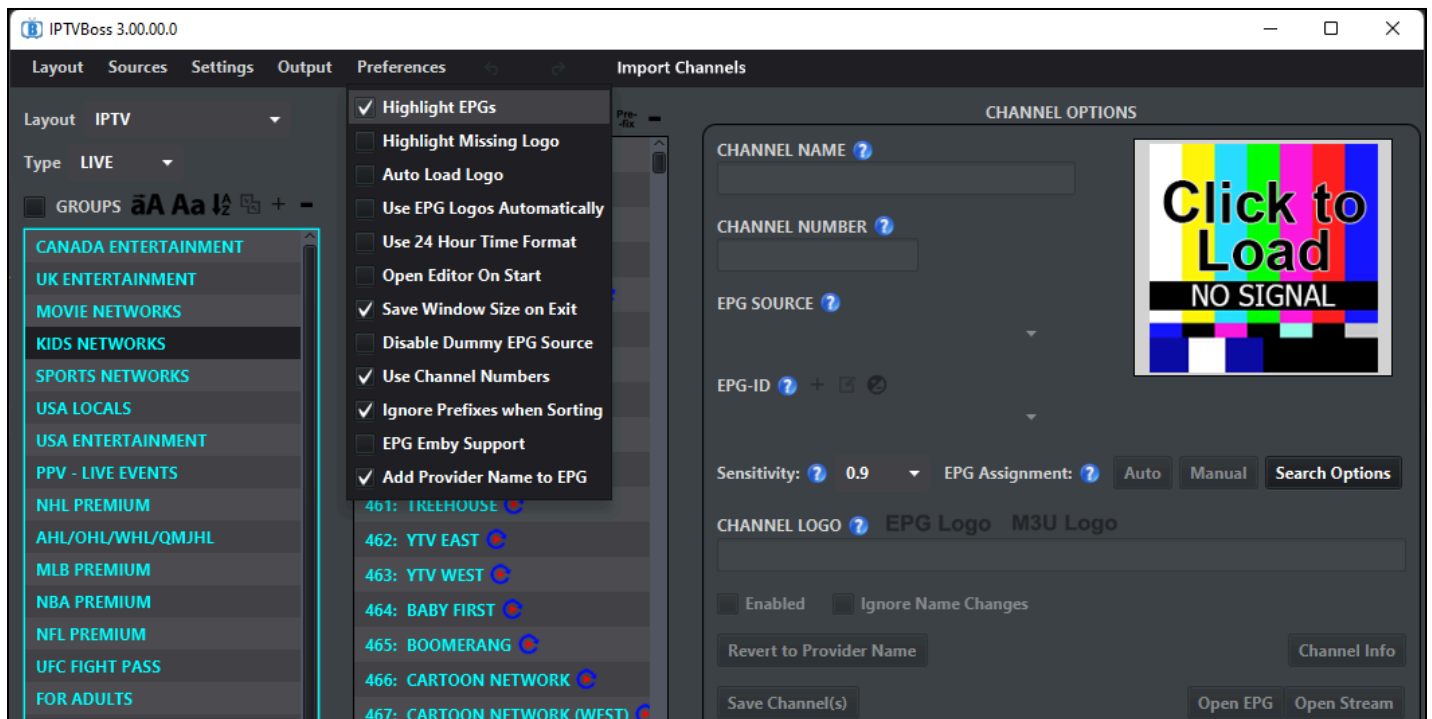
Tips For EPG Mapping

EPG mapping: We have worked hard to create a guide mapping database for “Schedules Direct” and “Zap2it” sources. Obviously, if you use the IPTV provider’s guide, all of the channels will auto map from the start, however, If you plan to use your own guide from SD or Zap (or our guide).

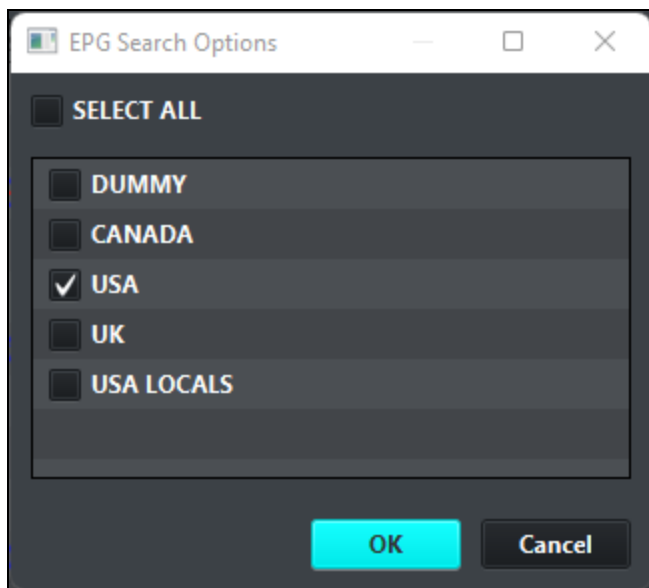
- IPTVBoss is coded to ignore many Prefixes or Suffixes, however, if you find them affecting “Auto” mapping, remove them using “Batch Replace Prefix/Suffix”
- For best results with “Auto,” it’s highly recommended you disable guides that could interfere with mapping because of similar or exact channel names.

Ex. I want to map US Network channels using IPTVBoss built-in guides.

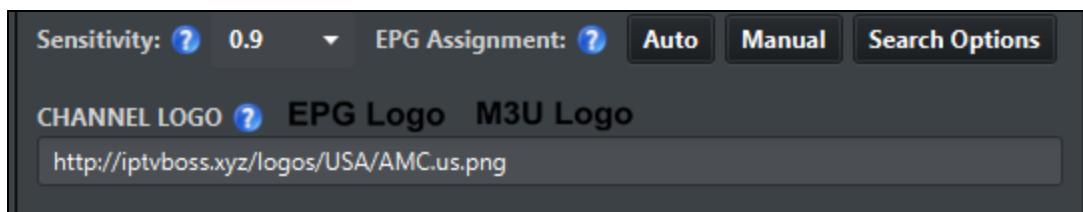
I prefer to see the channels with no mapping, so I check the “Highlight Missing EPGs” box in the “Preferences” options at the top. Also, I highlight all channels I plan to “Auto” map.



Then I would click on “Search Options” buttons and uncheck the guides that I don’t want interfering. In this case, UK/Can.



Finally, click “Auto” in the EPG Assignment section of the Channel Editor. Any channel that doesn’t “Auto”, try using “Manual” and it more than likely will be the first option.




TIP: To prevent the initial auto-mapping, it's recommended to add the provider's EPG when you're done mapping using the built-in EPG sources (or your own) by using the "Add EPG", NOT when you first add the M3U/API source.

TIP: The IPTVBoss mapping database is reliant on the channel name and every provider can give the channels a slightly different name. If IPTVBoss doesn't find a channel to match with EPG, make sure the channel has its standard channel name and change if necessary, make sure to click "Save Channel(s)".

EPG SEARCH SENSITIVITY: The default sensitivity is at .9. The higher the number the more exact the channel name and channel ID must be to map correctly. If you don't get a match, you can try dropping the sensitivity. It's suggested to drop a little at a time and raise it back to .9 when done.

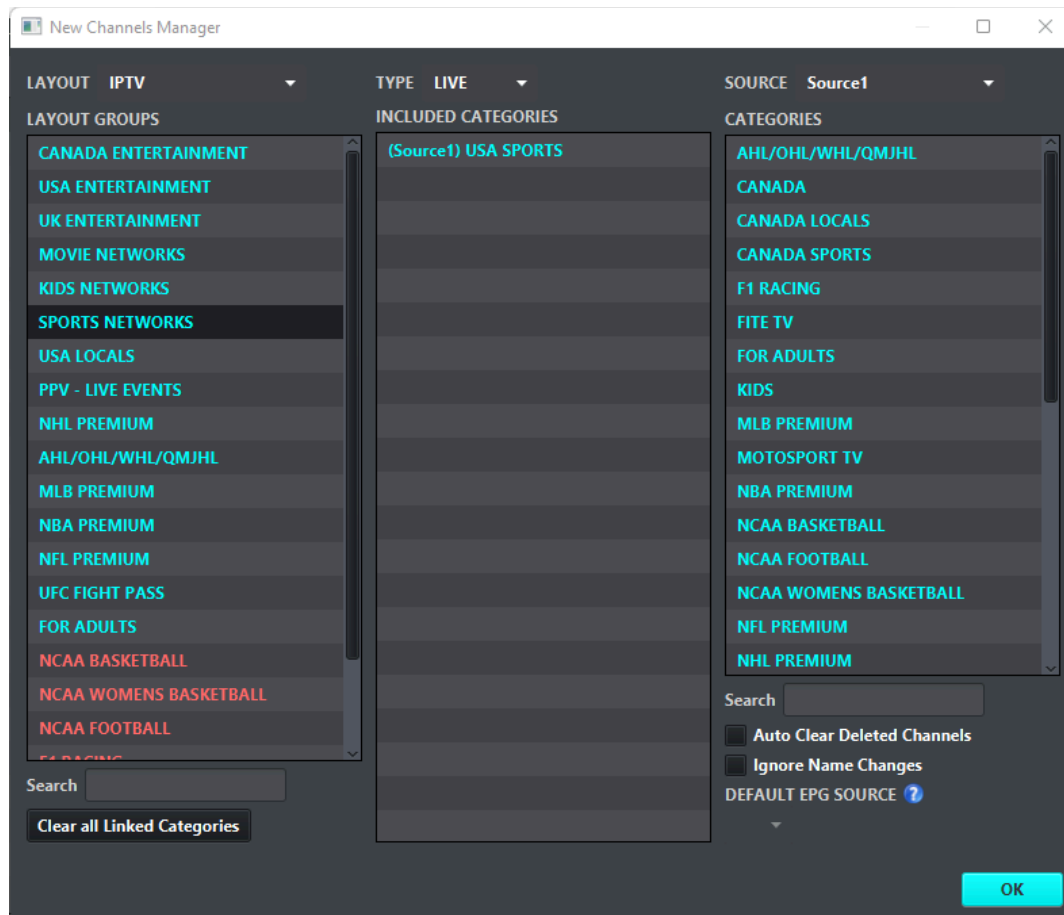
Advanced EPG Dummies

Setting up Regex Advanced EPG Dummies (AEDs) and Sports/League Advanced EPG Dummies (AEDs) for Live Event Channels

 **IPTVBoss Advanced EPG Dummies (AEDs) Tutorial FINAL**

NEW CHANNEL MANAGER

The New Channel Manager can be used to determine how new channels from enabled categories will be treated when added by your provider. When categories are imported directly from the source, the links in the New Channel Manager will be automatically set to the Layout Group, so that new channels from the provider will automatically show up in the associated group.



You are free to manage how channels are added, and from what categories into what Layout Groups. To do this, select the Layout Group on the Left, then from the Categories list, you can drag whatever groups you would like into the Included Categories. Any new channels added from the Included Categories will be added automatically to the selected Layout Group.

USER SYSTEM

IPTVBoss includes a user system that allows you to output your customizations to multiple users who share the same playlist providers. To use the User system, select the Users menu and select “Manage Users”.

Once in the “Manage User” dialog, you can add multiple users, changing the credentials for each user as necessary. Each playlist can be independently enabled/disabled per User. Users can also be enabled/disabled. ***Note: the default users Username and Password cannot be edited from this screen. They must be edited in the playlist manager.***

Manage Users

USER: [Redacted] USER NAME: [Redacted] Email Address: [Redacted]

☒ User Enabled

Source	Username	Password	Enabled	Expiry	Max Connections
Source1	[Redacted]	[Redacted]	✓	2023-10-01	6
Source2	[Redacted]	[Redacted]	✓	2023-12-18	3
Source3	[Redacted]	[Redacted]	✓	2023-07-28	5

ENABLED LAYOUTS

- Layout1
- Layout2
- Layout3
- Layout4
- Layout5

Once you have a user setup, they must be enabled for the desired layouts. The layouts are listed on the right hand side, and can be enabled/disabled by right click on the layout name.

You can also enable users for a layout from the Layout Manager Screen by clicking on the Manage Users button of a selected Layout. Right clicking a user will toggle them between Enabled and Disabled.

☐ Use Custom Output Folder

Custom Output Folder: [Redacted]

Cloud Provider Folder: [/]

Once a user is enabled in both the User Manager Panel, and in the Layout Users, a separate m3u will be outputted for each user. All users share the same EPG link as the EPG is the same for all Users.

GETTING FILES TO YOUR PLAYER

IPTVBoss XC Server

INTRODUCTION

The IPTVBoss XC Server is used to deliver streams and epg to players using a XC API instead of M3U and XML as normally done with IPTVBoss. To do this, the XC Addon uses the IPTVBoss databases and files to feed players with channel lineups and epg.

Getting Started

Before starting the XC Server, it is important to set the XC API Settings in IPTVBoss. To do this, go to "Settings", "XC Server Settings".

XC API Settings

☒ Enable XC Server

Server URL
https://boss.weaseltv.net

Server Port
8001

☐ Include Port in URL (Disable if using reverse proxy)

☒ Enabled get.php function for XC Server (Supports M3U Downloading)

Update Interval in Minutes 30

View XC Api Key

Start Testing Server Stop Testing Server

SYNC TIMES

Time 1: ☒ 08:00:09

Time 2: ☒ 13:05:09

Time 3: ☒ 18:20:09

Time 4: ☐ 15:50:20

Time 5: ☐ 15:50:20

OK Cancel

1. If you have the “Universal EPG” disabled, you must enable it for the XC Server. Do this under “Sources”, “Universal EPG Options”.
2. First, you need to Enable the XC Server by putting a check in the box.
3. Second, set the Server URL and Server Port. ***These values will be used in the XC JSONs that are created, so it is very important that these are the working urls.*** The port should be included in the url, unless you are using a reverse proxy for ssl.
4. Decide whether you want the server to support m3u downloading. If this is enabled, the m3u will be delivered based on the Sync Method you have chosen.
5. Set your update interval. This is how often the XC Server will check for updates from IPTVBoss. Do not set this number too low. It is recommended to be set at 30 minutes. If you need to do a manual sync, that is possible and described in the next section.
6. View XC Api Key. This setting gives you an API Key that can be used over the web to access server log and commands over a web based interface. This key should not be shared with anyone.
7. **Start Testing Server** - This button allows you to start a xc server from within IPTVBoss GUI for testing. It is only meant for testing, but should function as the normal server from localhost.

8. **Sync Times** - Set these times to have your XC server run the nogui syncs as necessary. What the server will do is launch a nogui instance of IPTVBoss.
9. Also, for each Layout, there is a specific option to have XC Enabled. Select that option for any layouts you want to work with the XC Server.
10. After you have everything setup, complete an EPG Output to build the programmes database. This is a database that will be used by the XC Server for feeding EPG info to players that don't use standard XML based EPG.

Setting up the XC Server

Setup IPTVBoss. That's it. The server is built in.

From the GUI, under XC Server Settings, you can test the XC Server from the GUI. This is useful for initial setup.

Running the XC Server

To run the XC Server after setup has been completed, simply run:

```
IPTVBoss -xcserver
```

If You want a console to appear on windows run:

```
IPTVBoss-c -xcserver
```

The server should start. Once started, 2 commands are available to the administrator.

1. Stop - This command will shut down the server.
2. Reload - This command will force a reload of the server and update of all files.

If you are running the server on a headless system (or as a service). The log and commands can be accessed through a url endpoint.

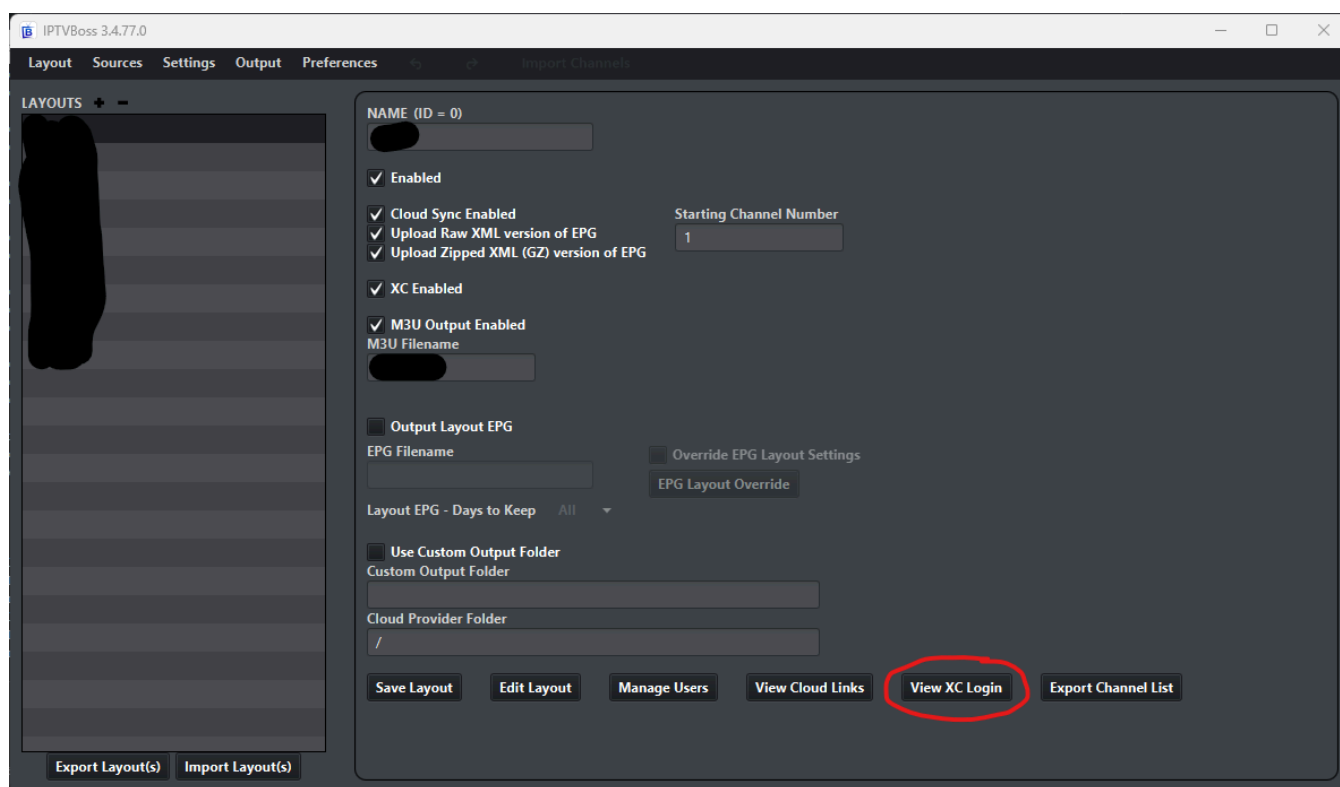
```
{serverurl}:{serverport}/boss.php?apikey={api-key}
```

Accessing the endpoint will give a page that looks like the following. It will contain the server log as well as links for Stopping and Reloading the server.

```
15:40:34.827486600: Checking Cloud Sync for Database Update...
15:40:34.828487200: Getting Dropbox Credential
15:40:35.499050600: Cloud Sync is newer than local database. Syncing local database with cloud
15:40:35.499050600: Downloading IPTVBoss DB From the Cloud...
15:40:38.321374300: Downloading Settings DB From the Cloud...
15:40:38.829039: Extracting IPTVBoss DB...
15:40:39.167082900: Extracting Settings DB...
15:40:39.415110800: Downloading Universal EPG
15:40:40.947552600: Downloading XC Programs Database
15:40:42.615091300: Extracting Programmes DB...
15:40:45.087104300: Moving IPTVBoss Database EPG
15:40:45.113103200: Moving Settings Database EPG
15:40:45.114104200: Moving Programmes Database EPG
15:40:45.171617: Copying Universal EPG
15:40:51.001191600: Reloading DB and Settings
15:40:55.701352200: Reload Complete
15:40:55.728352800: XC Server Version: 1.0.2
15:40:55.729352400: Server started at 8001
```

User Links

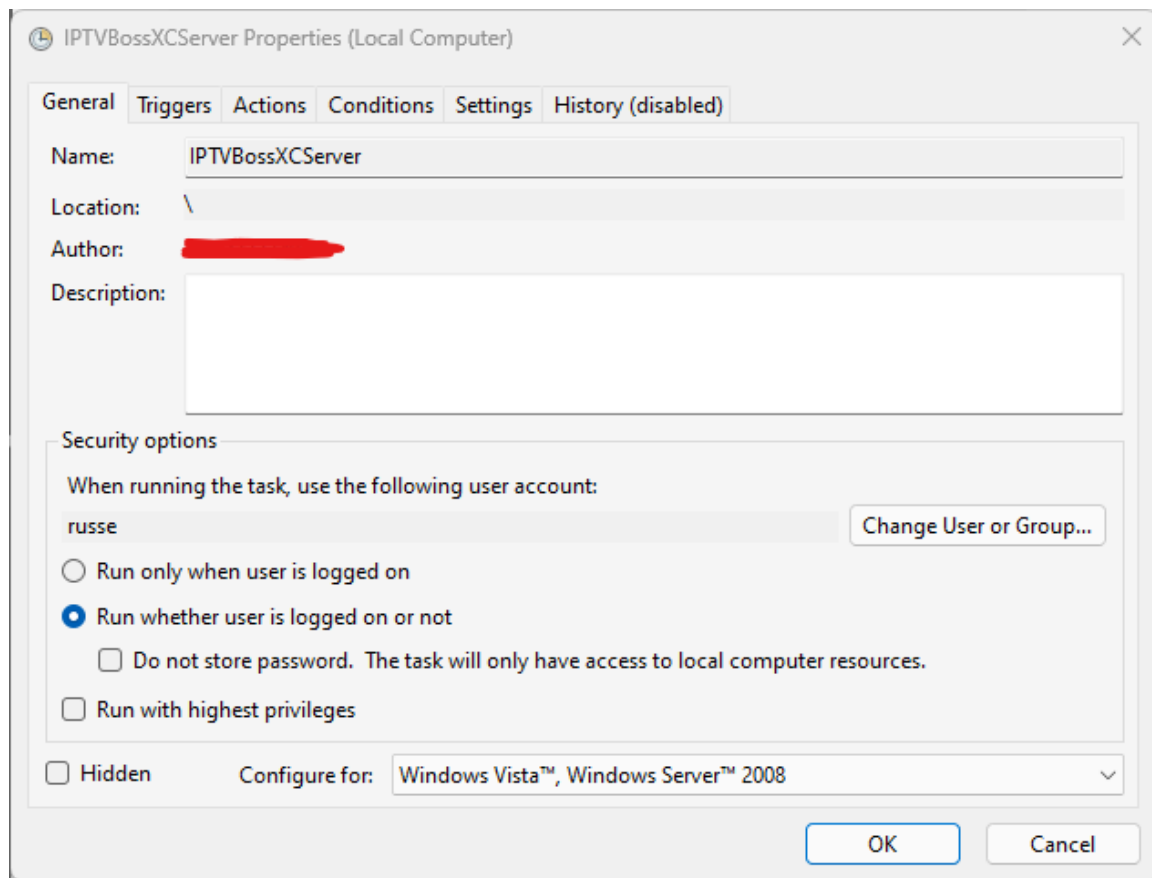
User links for XC can be found under the layouts pane in IPTVBoss. Simply look for the “View XC Login” button. Once looking at the user links, links can be copied to clipboard by simply clicking the user.



Setting up IPTVBoss XC Server as a Service

Windows

Setting up as a service in windows is more complicated than Linux. For windows users, I suggest just using the task scheduler to start the server on startup. Not that the “iptvboss-c” forces windows to open with a console. If you prefer no console, simply use iptvboss.

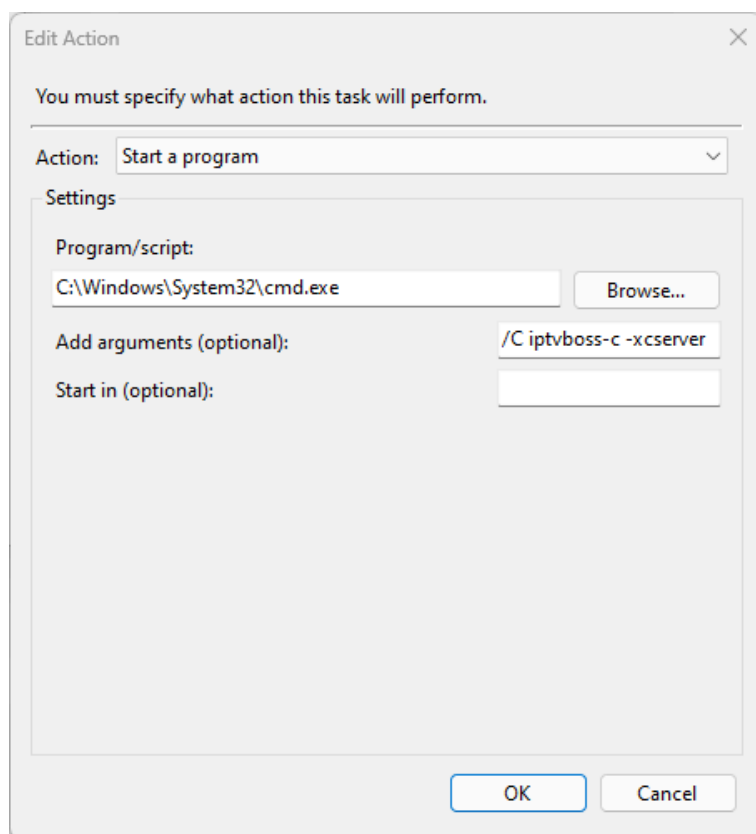


Program/Script:

C:\Windows\System32\cmd.exe

Add arguments:

/C iptvboss-c -xcserver



Ubuntu

This short guide was completed in Ubuntu 23.04. Setting up in other Linux environments should be similar, but different commands may be necessary.

Setup IPTVBoss on the host system as normal. I suggest running a nogui sync after installation to build the epg files on the host system.

Create the Service

```
sudo nano /etc/systemd/system/iptvboss.service
```

Copy and Paste the following text into the editor. Memory settings can be adjusted base on your server and needs. User should be update to your username in ubuntu.

```
[Unit]
Description=IPTVBoss
After=network.target
StartLimitIntervalSec=0

[Service]
Type=simple
Restart=always
RestartSec=10
User=ubuntu
ExecStart=/usr/bin/iptvboss -xcserver

[Install]
WantedBy=multi-user.target
```

Press CTRL X

Press Y to Save Modified Buffer and Press Enter

Reload Systemctl

```
sudo systemctl daemon-reload
```

Enable the iptvboss service

```
sudo systemctl enable iptvboss
```

Start the iptvboss service

```
sudo systemctl start iptvboss
```

Check the Status of iptvboss service

```
sudo systemctl status iptvboss
```

You should now see the service started and waiting for requests. You can test at this point with http before setting up https if you choose.

Setting up HTTPS

Recommended Option:

Setup a reverse proxy to point to the local instance of IPTVBoss. A short guide for this will be coming soon.

Secondary Option

Install Snap

```
sudo apt install snapd
```

```
sudo snap install core; sudo snap refresh core
```

Install Certbot

```
sudo snap install --classic certbot
```

```
sudo ln -s /snap/bin/certbot /usr/bin/certbot
```

Generate Certificate (use -d {domain} for any valid domains)

Any domains you enter at this point must already be pointed at your server and working. Certbot will throw an error if it cannot receive the callback at the domains listed.

```
sudo certbot certonly --standalone -d {domain1} ca -d {domain2}
```

Create Pkcs12 (Replace domain with the domain of the path created by certbot)

```
openssl pkcs12 -export -in /etc/letsencrypt/live/{domain}/fullchain.pem -inkey  
/etc/letsencrypt/live/{domain}/privkey.pem -out keystore.p12 -name IPTVBoss
```

Make the export password: iptvboss

Create a Java Keystore in the IPTVBoss folder (note if you installed to a different folder than above, it must be updated here)

```
keytool -importkeystore -deststorepass iptvboss -destkeypass iptvboss -destkeystore  
/home/ubuntu/IPTVBoss/keystore.jks -srckeystore keystore.p12 -srcstoretype PKCS12 -srcstorepass iptvboss  
-alias IPTVBoss
```

```
sudo systemctl stop iptvboss.service
```

```
sudo systemctl start iptvboss.service
```

Server should now be running on HTTPS. Make sure to update your url in IPTVBoss, XC Server Settings accordingly.

Output Playlist/EPG & Retrieving Your Cloud Links.

1. When done editing, click on the "Output" button on the top toolbar. Click on "Current Layout M3U" (for M3U output) and then "Current Layout EPG" (for XML output) or click "Current Layout M3U & EPG" for both files.

2. If you setup IPTVBoss to directly sync to a cloud provider (Dropbox or GDrive), click on the “Output” menu on the toolbar and select “View Cloud Links” for the URLs to your playlist and EPG. If using the Universal EPG option, the links to the Universal EPG can be found under “Sources”, “Universal EPG Options”.

****BE CAREFUL: If at any time you manually delete the m3u or xml files within your cloud provider folders, new links will be created****

Syncing IPTVBoss Daily

It is highly recommended to sync your playlist(s) daily to reflect changes in the channel line-up. To sync daily, create a task and run IPTVBoss with the “-noGui” parameter, which syncs the IPTV & EPG sources and then IPTVBoss outputs updated M3U/XML files without running a GUI.

IPTVBoss Daily Syncs Setup FINAL

CLOUD SYNC BETWEEN DEVICES

First Setup

To enable cloud sync between devices. Open IPTVBoss and go to IPTVBoss Settings. If you have not set up your cloud provider, you will need to do so first before proceeding.

Simply select “Enable Cloud Database Sync” and press the “Ok” button to close settings.

The sync of the database will take place once you close IPTVBoss.

Setting up on Other Devices

To set up a new device with your cloud sync in IPTVBoss, there are 2 methods.

GUI Method:

- 1) Open a new instance of IPTVBoss (jar or exe, whatever the system requires).
- 2) Do not worry about pro status. This will enable when your IPTVBoss syncs.
- 3) Click, Settings, “Restore Database Backup”.
- 4) Click “Cloud Restore”.
- 5) Select your cloud provider, enter key and secret, and authorize.
- 6) Click “Restore from Cloud Backup”.
- 7) Enter your token in the pop up and click “Restore from Cloud Backup”.
- 8) IPTVBoss should pull your currently synced databases and refresh.

Headless Method:

- 1) Copy/download the jar or exe of IPTVBoss to your device.
- 2) Run “java -jar IPTVBoss.jar -setup” or “IPTVBoss.exe -setup”
- 3) Follow the instructions to sync your IPTVBoss to your current cloud sync.
- 4) Once complete, you can run -nogui on the new system without ever opening the GUI.

Once a system is set up for cloud sync, it will check the sync folder on each run. If the synced files are newer, it will pull those files.

Cloud Sync is Locked

If IPTVBoss closes improperly, or if another system currently is editing, a lockfile is placed in the sync folder. If you start IPTVBoss and get a Cloud Sync is Locked message, one of these two things has happened. If it was an improper close, press "Reset Lock" to continue to the editor. If IPTVBoss is open on another system, it is best to "Close IPTVBoss" and exit on the other system before reopening. If you "Reset Lock" while the other device is editing, any changes made on the other device will not be saved.

EMAIL NOTIFICATION SYSTEM

To use the email notifications, you must set up a mail provider in IPTVBoss to send the emails. This system may not work with all email providers. The current setup uses TLSv1.2 and has been tested with hotmail/outlook and gmail addresses. Many GMail users have had to turn on 2-Factor Authentication and use an App Password for it to work with IPTVBoss.

Email Address - Enter the email address you will use for the sending of email

Password - Enter your password for that email address. It will work with App Passwords from Gmail if you use 2-Factor auth.

Display Name - Enter the name you want to appear as the sender of the email.

SMTP Host - Enter your SMTP host (Outlook is *smtp.office365.com*, Gmail is *smtp.gmail.com*)

Port - Enter your port. For outlook and gmail, the port is the default 587.

Where to Send Email Notifications (Email Address) - This is where the emails will be sent. It can be the same email address used for sending, or a separate address.

Enable Critical Error Notifications - When enabled, serious errors will cause you to receive an email. This is very limited right now, but I will expand with time.

Enable User Expiry Notifications to IPTVBoss Manager - Once a day (if any users are expiring or expired), IPTVBoss will send an email listing all of the expiring/expired accounts. Users will only be included in the email if they are enabled.

Days before Expiry to Send Notice - How close to expiry to send a notice.

Enabled User Expiry Notifications for Managed Users - When enabled, if you have an email address assigned to a user (and they are enabled), an email will be sent to the user using the templates found in the emailtemplates folder if they are within the days before expiry setting. An expiring notice will be sent once (when first identified by IPTVBoss) and then an expired notice will be sent when they actually expire.

Email Templates

There are currently 2 email templates. They can both be found in the emailtemplates folder. These can be edited as desired. They also support html code.

The subject and bodies of the email support three placeholders that IPTVBoss will fill in:

- {username} - the user name that you have set for the user in IPTVBoss.
- {sourcename} - the name you have defined in IPTVBoss for the source that is expiring/expired.
- {expirydate} - only supported in Expiry Template - the expiry date of the account.

The templates can be edited as you choose, but be sure to maintain the format below, putting any required content in the lines after #SUBJECT and #MESSAGE.

#SUBJECT

Action Required: Your Account Has Expired

#MESSAGE

<html>

<body>

<p>Dear {username},

We hope this email finds you well. We wanted to reach out to you regarding the status of your {sourcename} account with us.

Unfortunately, our records show that your account has expired. This means that your access to our services and resources is no longer active.

To reactivate your account and regain full access to our services, please contact us and follow the directions provided. We recommend that you do this as soon as possible to minimize any disruptions to your experience.

If you have any questions or concerns, please do not hesitate to reach out to us. We are here to help and are dedicated to providing you with the best possible experience.

We look forward to hearing back from you soon.

Best regards,
</p>

</body>

</html>

RESTORING A DATABASE:

In the event of a corrupt database, you have the ability to restore the “IPTVBoss.mv.db” using one of these methods.

Manual Restore

- a. Close IPTVBoss and open the “db” folder inside the IPTVBoss root folder, delete the “IPTVBoss.mv.db” file.
- b. Go to the “backup” folder inside the IPTVBoss root folder. Open the most recent ZIP file and extract the “IPTVBoss.mv.db” file into the “db” folder.
- c. Run IPTVBoss to see if things are back to normal. If it fails again, you can try a previous ZIP file from the “backup” folder.

GUI Restore

- a. **Open IPTVBoss.**
- b. Select Settings, Restore Database Backup.
- c. Here you will have 2 options: Local Restore & Cloud Restore
 - i. Local Restore
 1. Enable the checkboxes for the databases you want to restore.
 2. Select the date you want to restore and press “Restore from Local Backup”.
 - ii. Cloud Restore
 1. Click “Cloud Restore” to complete the restoration process.