Emby Family WISECP module

This module allows your company to offer public media services to customers through Emby accounts. It facilitates the creation of customer accounts on a pre-configured Emby server, enabling the sale of various media packages at different prices. Moreover, it includes the functionality to add multiple media accounts for a single service. This feature enables customers to manage multiple Emby accounts under one subscription. Administrators retain control over user account management, with the ability to suspend, terminate, or unsuspend accounts, change passwords, and more. Meanwhile, clients have the autonomy to manage their devices and libraries efficiently. The module also supports multiple languages, ensuring accessibility for a diverse user base. The module supports Emby Connect functionality.

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Desctiption

Emby Family module **WISECP**

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Thanks to the module, the company can now offer public media services to its customers based on Emby accounts with added flexibility.

The module facilitates the creation of customer accounts on a pre-prepared Emby server. Now, it empowers users to define and manage multiple media accounts, allowing for more tailored offerings and increased customer satisfaction. Each account corresponds to a selected package, enabling customers to access varied media content at different price points. Notably, clients can now possess multiple independent media accounts, broadening their media access options.

Moreover, the module seamlessly integrates with Emby Connect functionality, enabling users to access their media accounts across different devices and platforms with ease.

For the correct operation of the module, a pre-prepared Emby installation is required (the module does not assist in the installation of the Emby server and assumes that such installation is ready for operation through API.) Module use Emby API to manage clients account.

We have prepared a detailed installation manual for the module, including all the steps needed to implement the module, including the preparation of the Emby server, including all installation steps such as PHP, Emby , SSL certificates etc.

Requirements:
WISECP: v3.1.5+, php: v8.x, Ioncube: V12+
Emby: v4.7+

Functions:

- Auto create and deploy client account
- Multi-Account Support: Enable users to manage multiple media accounts within a single

service
- The module uses only the API to manage the accounts
- Module supports multilingualism **(Arabic, Bosnian, Czech, German, Greek, English, Spanish, Persian, French, Hungarian, Indonesian, Italian, Georgian, Latvian, Dutch, Polish, Portuguese, Romanian, Ukrainian)**
- The module shows all user info: enabled user libraries, active devices etc.
- Link to instructions for setting up the service in the client area.
- Emby Connect Integration: Seamlessly access media accounts across different devices and platforms using Emby Connect functionality.

Available options in the admin panel:

- Create users
- Suspend users
- Terminate users
- Unsuspend users
- Change users password
- Change Package
- Drop all devices
- API connection status
- List of active devices
- List of enabled user libraries
- List of Media Accounts

Available options in the client panel:

- List of active devices
- List of enabled user libraries
- Drop all devices
- Change the Emby user password
- Add/Manage Emby Connect account
- Add/Management/Delete Media Account
- Drop Account Devices
- List of Media Accounts

Screenshot of the client area

Emby Family1

Client Area / My Services / Media / Emby Family1

Details | Additional Services | Upgrade | Cancellation Request

Order ID
#187



Renew Now

General Information	Invoice #297
Service Group	Media
Service Name	Emby Family1
Services Status	Active
Payment Period	Monthly
Renewed On	03.07.2024
Next Due Date	03.08.2024
Amount : 22zł	

User manual | Web interface | Drop All Devices | Emby Connect

Management Media User

Username 4-187

Status Enable

Password .....

Save

Emby Connect Username: Username not entered

Libraries: Movies | Cartoons | Sport | Movies | Beginner`s Programming Course

Active Devices

10 Show Record Search

Device Name	App Name	Last Activity
No data available in table		

No Records Prev Next

Streaming bitrate limit 0 Mbps

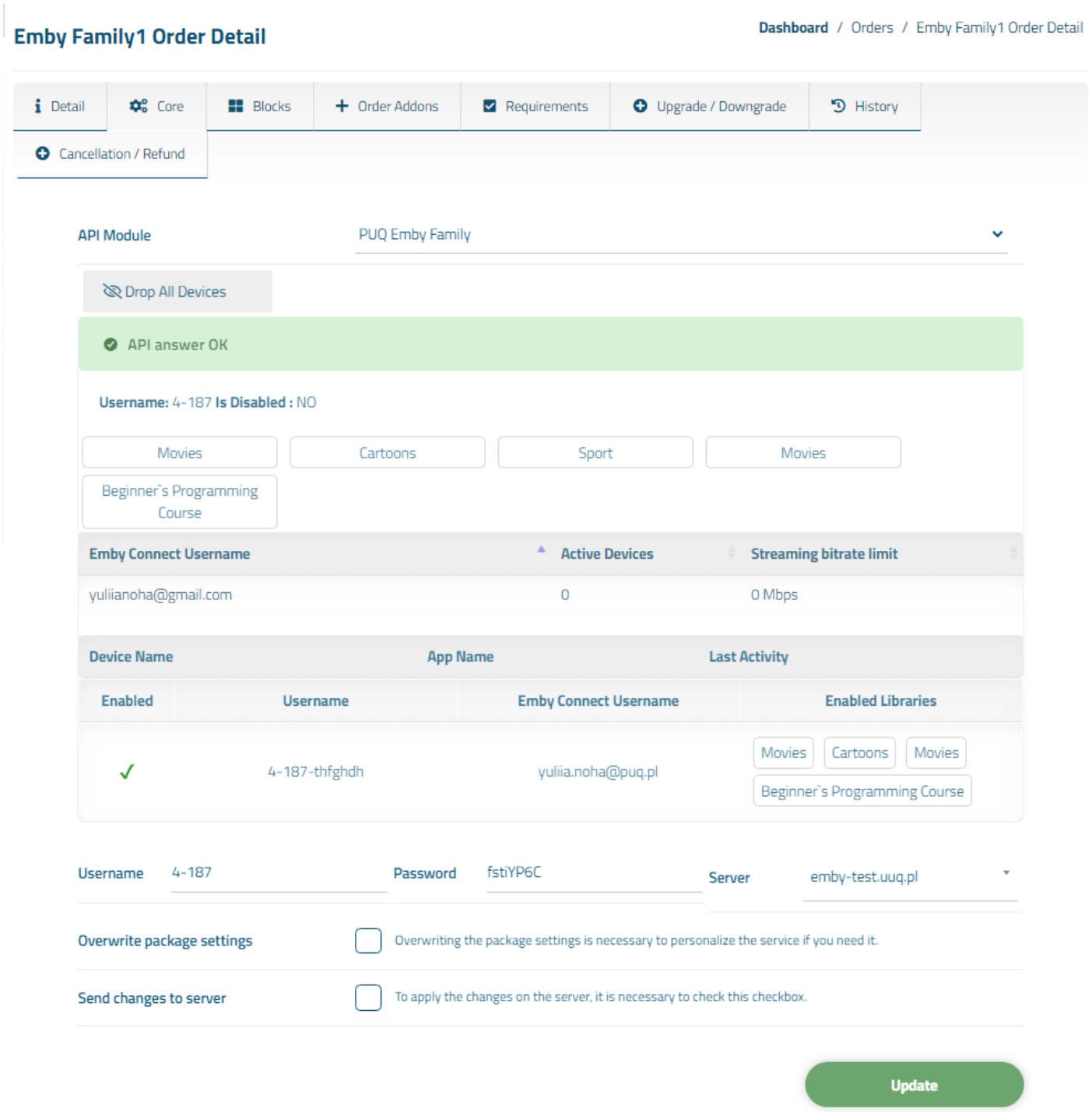
Media Accounts

Count of Media Account: 1 /4

Add Media Account

4-187-thfghdh
Emby Connect: on

Screenshot of the Admin area



Changelog

Emby Family module WISECP

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v1.0.1 Released 13-08-2024

1. Fixed bug with password, when "Show password" is "no"
2. Fixed a bug with sub-accounts. Now, if the number of media accounts equals 0, when "Change package" is clicked, the sub-accounts are removed.

---

v1.0 Released 05-07-2024

First version

Installation and configuration guide

Setup (install/update)

Emby Family module **WISECP**

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To install and update a module, you must perform one and the same action.

1. Download the latest version of the module.

```
wget http://download.puqcloud.com/WISECP/Product/PUQ_WISECP-Emby-Family/PUQ_WISECP-Emby-Family-latest.zip
```

All versions are available: https://download.puqcloud.com/WISECP/Product/PUQ_WISECP-Emby-Family/

2. Unzip the archive with the module.

```
unzip PUQ_WISECP-Emby-Family-latest.zip
```

3. Copy and Replace "puqEmbyFamily" from "PUQ_WISECP-Emby-Family" to "WISECP_WEB_DIR/coremio/modules/Product/"

License Activation

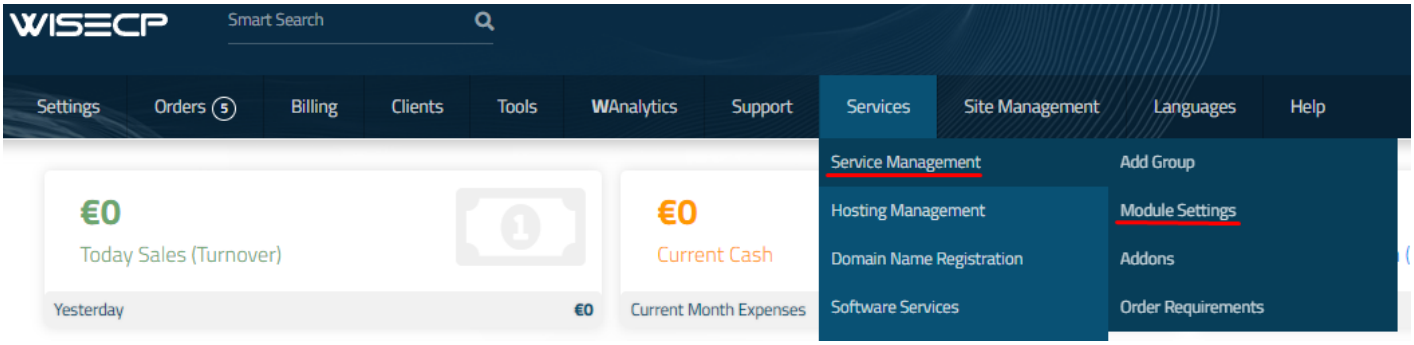
Emby Family module **WISECP**

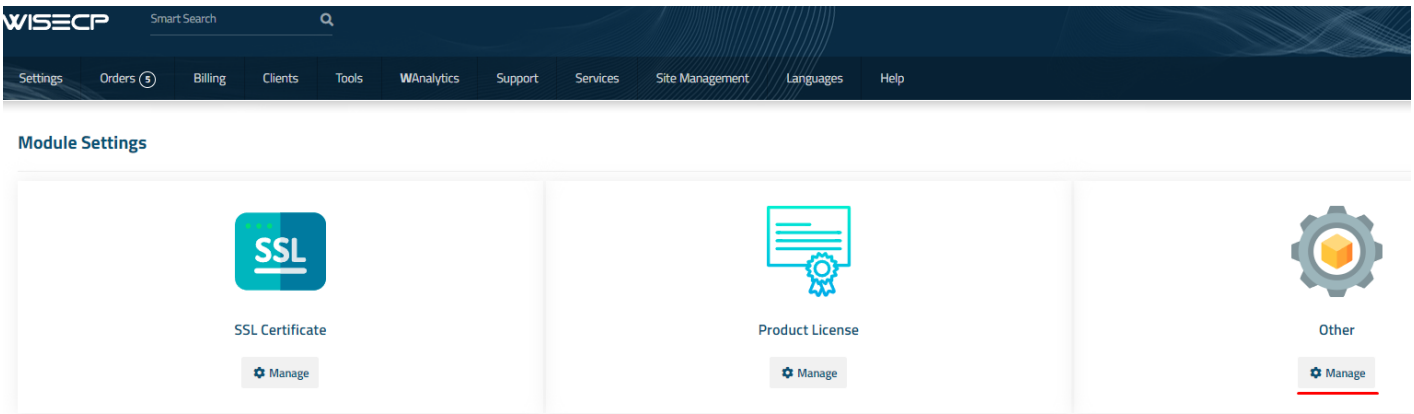
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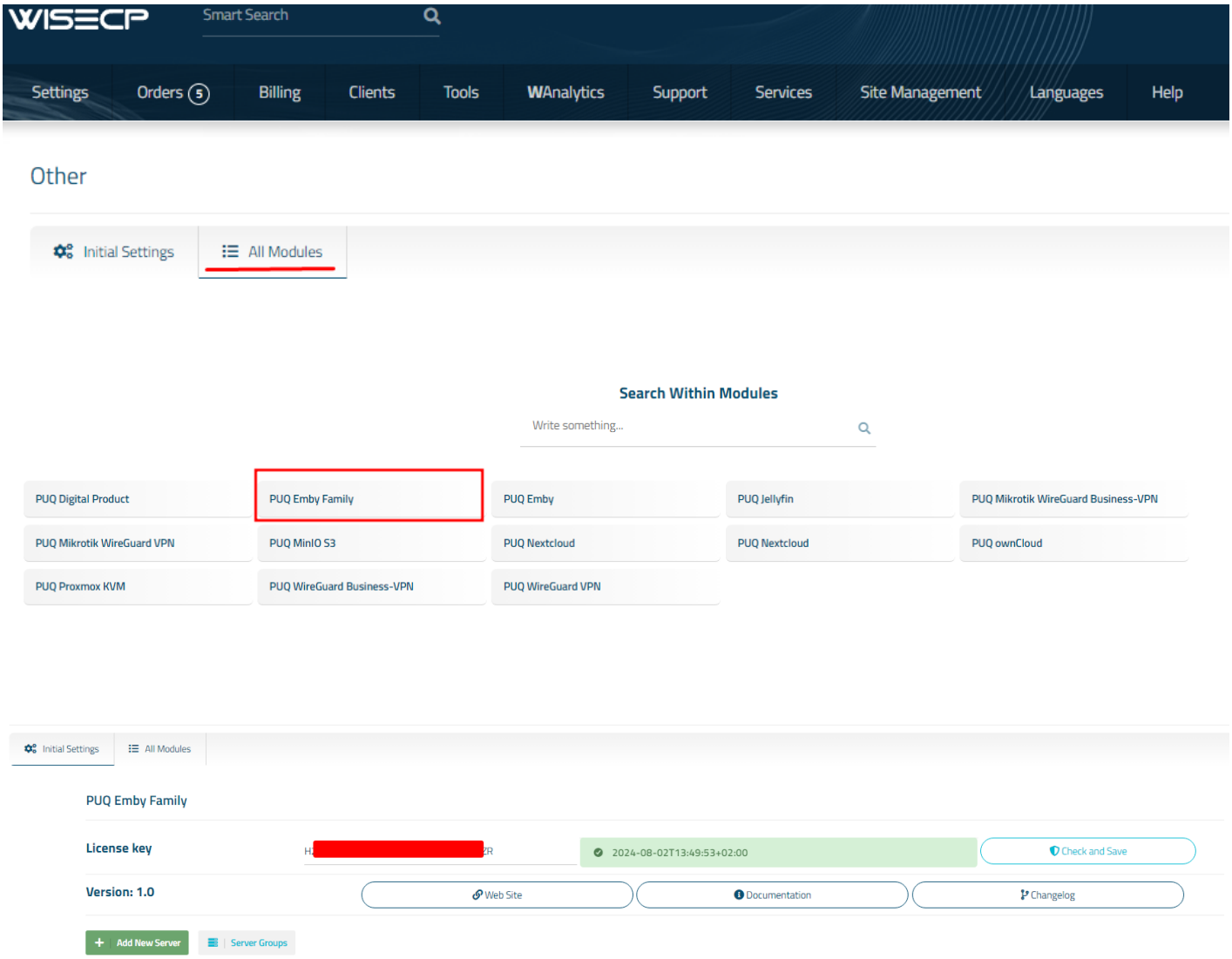
1. Log in to the admin area of your **WISECP**.

2. Go to module configuration.

```
Services -> Service Management -> Module Settings -> Other -> All Modules -> PUQ Emby Family
```






WISECP
Smart Search
Settings
Orders 5
Billing
Clients
Tools
WAnalytics
Support
Services
Site Management
Languages
Help
Other
Initial Settings
All Modules
Search Within Modules
Write something...
PUQ Digital Product
PUQ Emby Family
PUQ Emby
PUQ Jellyfin
PUQ Mikrotik WireGuard Business-VPN
PUQ Mikrotik WireGuard VPN
PUQ MinIO S3
PUQ Nextcloud
PUQ Nextcloud
PUQ ownCloud
PUQ Proxmox KVM
PUQ WireGuard Business-VPN
PUQ WireGuard VPN

Initial Settings
All Modules
PUQ Emby Family
License key
2024-08-02T13:49:53+02:00
Check and Save
Version: 1.0
Web Site
Documentation
Changelog
Add New Server
Server Groups

Setup guide: Emby setup

Emby Family module **WISECP**

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1. Install Emby on your server

To simplify deployment and help automate this for as many users as possible, we provide a BASH script to handle repo installation as well as installing Emby. All you need to do is run this command on your system

```
wget https://github.com/MediaBrowser/Emby.Releases/releases/download/4.7.14.0/emby-server-deb_4.7.14.0_amd64.deb
```

```
dpkg -i emby-server-deb_4.7.14.0_amd64.deb
```

2. SSL certificate generation:

```
sudo apt install nginx certbot python3-certbot-nginx
```

```
sudo certbot --nginx --agree-tos --redirect --hsts --staple-ocsp --email YOUR_EMAIL -d DOMAIN_NAME
```

```
echo "0 0 * * *  root  certbot renew --quiet --no-self-upgrade --post-hook 'systemctl reload nginx'" | sudo tee -a /etc/cron.d/renew_certbot
```

3. Configure nginx from a subdomain

Create a file named nginx.conf.

```
cd /etc/nginx/conf.d/
nano nginx.conf
```

Then, insert the following text, replacing DOMAIN_NAME with your domain.

```
# Uncomment the commented sections after you have acquired a SSL Certificate
server {
        listen 80;
        #listen [::]:80;
        server_name DOMAIN_NAME;

        # Uncomment to redirect HTTP to HTTPS
        return 302 https://$host$request_uri;
}

server {
        listen 443 ssl http2;
        #listen [::]:443 ssl http2;
        server_name DOMAIN_NAME;

        ## The default `client_max_body_size` is 1M, this might not be enough for some
posters, etc.
        client_max_body_size 20M;

        # use a variable to store the upstream proxy
        # in this example we are using a hostname which is resolved via DNS
        # (if you aren't using DNS remove the resolver line and change the variable to point
to an IP address e.g `set $emby 127.0.0.1`)
        set $emby 127.0.0.1;
        resolver 127.0.0.1 valid=30;

        ssl_certificate /etc/letsencrypt/live/DOMAIN_NAME/fullchain.pem;
        ssl_certificate_key /etc/letsencrypt/live/DOMAIN_NAME/privkey.pem;
        include /etc/letsencrypt/options-ssl-nginx.conf;
        ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem;
        add_header Strict-Transport-Security "max-age=31536000" always;
        ssl_trusted_certificate /etc/letsencrypt/live/DOMAIN_NAME/chain.pem;
        ssl_stapling on;
        ssl_stapling_verify on;
```

```
        # Security / XSS Mitigation Headers
        # NOTE: X-Frame-Options may cause issues with the webOS app
        add_header X-Frame-Options "SAMEORIGIN";
        add_header X-XSS-Protection "0"; # Do NOT enable. This is obsolete/dangerous
        add_header X-Content-Type-Options "nosniff";

        # COOP/COEP. Disable if you use external plugins/images/assets
        add_header Cross-Origin-Opener-Policy "same-origin" always;
        add_header Cross-Origin-Embedder-Policy "require-corp" always;
        add_header Cross-Origin-Resource-Policy "same-origin" always;

        # Permissions policy. May cause issues on some clients
        add_header Permissions-Policy "accelerometer=(), ambient-light-sensor=(), battery=(),
bluetooth=(), camera=(), clipboard-read=(), display-capture=(), document-domain=(), encrypted-
media=(), gamepad=(), geolocation=(), gyroscope=(), hid=(), idle-detection=(), interest-
cohort=(), keyboard-map=(), local-fonts=(), magnetometer=(), microphone=(), payment=(),
publickey-credentials-get=(), serial=(), sync-xhr=(), usb=(), xr-spatial-tracking=()"
always;

        # Tell browsers to use per-origin process isolation
        add_header Origin-Agent-Cluster "?1" always;


        # Content Security Policy
        # See: https://developer.mozilla.org/en-US/docs/Web/HTTP/CSP
        # Enforces https content and restricts JS/CSS to origin
        # External Javascript (such as cast_sender.js for Chromecast) must be
whitelisted.
        # NOTE: The default CSP headers may cause issues with the webOS app
        #add_header Content-Security-Policy "default-src https: data: blob:
http://image.tmdb.org; style-src 'self' 'unsafe-inline'; script-src 'self' 'unsafe-inline'
https://www.gstatic.com https://www.youtube.com blob:; worker-src 'self' blob:; connect-src
'self'; object-src 'none'; frame-ancestors 'self'";

        location = / {
                return 302 http://$host/web/;
                #return 302 https://$host/web/;
        }

        location / {
```

```
                # Proxy main Emby traffic
                proxy_pass http://$emby:8096;
                proxy_set_header Host $host;
                proxy_set_header X-Real-IP $remote_addr;
                proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
                proxy_set_header X-Forwarded-Proto $scheme;
                proxy_set_header X-Forwarded-Protocol $scheme;
                proxy_set_header X-Forwarded-Host $http_host;

                # Disable buffering when the nginx proxy gets very resource heavy upon
streaming
                proxy_buffering off;
        }

        # location block for /web - This is purely for aesthetics so /web/#!/ works instead
of having to go to /web/index.html/#!/
        location = /web/ {
                # Proxy main Emby traffic
                proxy_pass http://$emby:8096/web/index.html;
                proxy_set_header Host $host;
                proxy_set_header X-Real-IP $remote_addr;
                proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
                proxy_set_header X-Forwarded-Proto $scheme;
                proxy_set_header X-Forwarded-Protocol $scheme;
                proxy_set_header X-Forwarded-Host $http_host;
        }

        location /socket {
                # Proxy Emby Websockets traffic
                proxy_pass http://$emby:8096;
                proxy_http_version 1.1;
                proxy_set_header Upgrade $http_upgrade;
                proxy_set_header Connection "upgrade";
                proxy_set_header Host $host;
                proxy_set_header X-Real-IP $remote_addr;
                proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
                proxy_set_header X-Forwarded-Proto $scheme;
                proxy_set_header X-Forwarded-Protocol $scheme;
                proxy_set_header X-Forwarded-Host $http_host;
        }
```

```
}
```

Restarting nginx

```
sudo service nginx restart
```

Add server (Emby server)

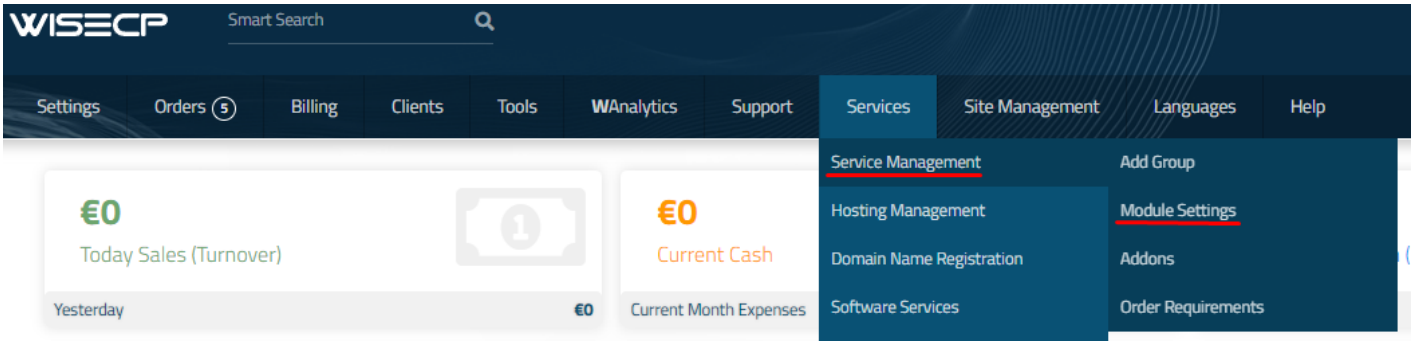
Emby Family module **WISECP**

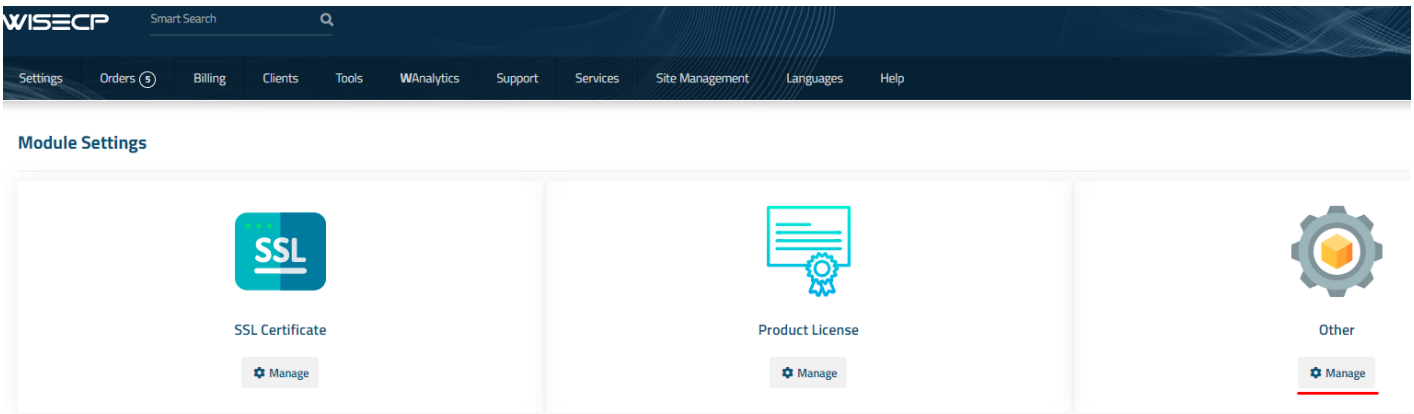
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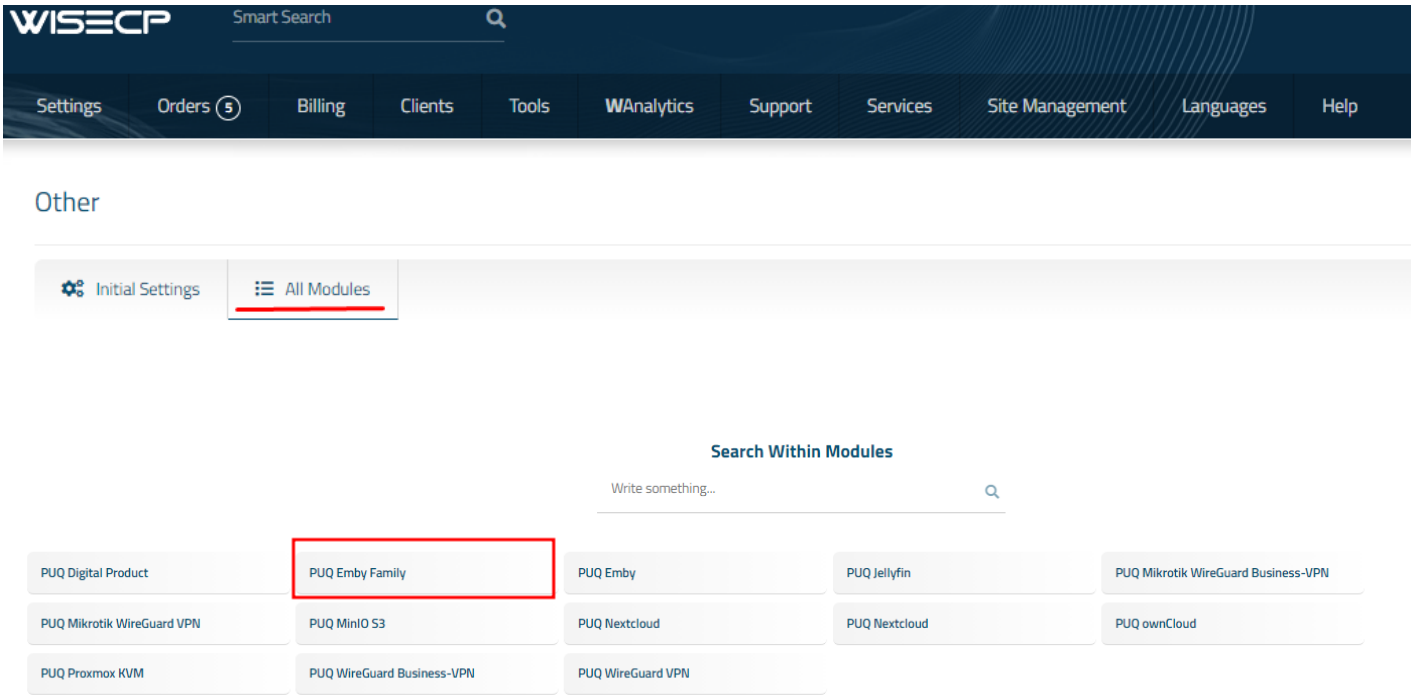
1. Log in to the administrative area of your **WISECP**.

2. Go to module configuration.

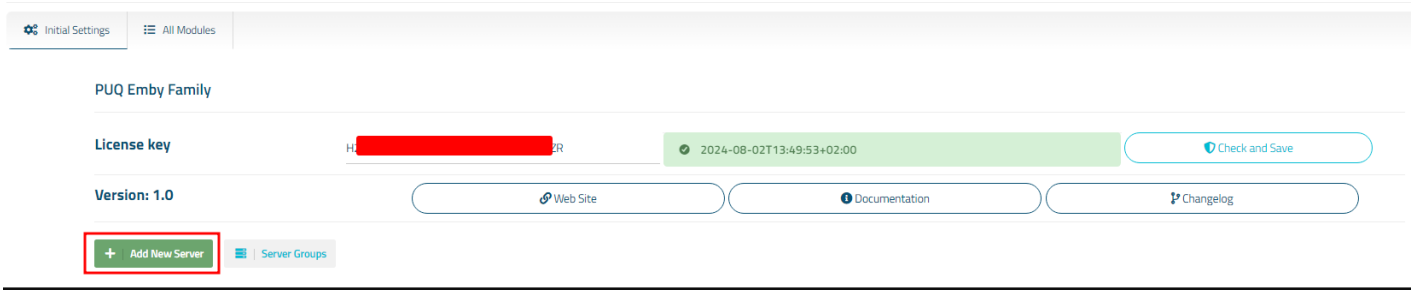
```
Services -> Service Management -> Module Settings -> Other -> All Modules -> PUQ Emby Family
```







3. In the opened page, click the '**Add Server**' button.



4. On the opened page, enter all the necessary information:

- **Name**: Displayed name of the server.
- **Maximum Number of Accounts**: The number of services that can be on this server.
- **Server Group**: Optionally, choose the server group.
- **IP Address or Domain**: The address of the Emby server you are connecting to.
- **Username:** is the username for the account on Emby.
- **Password:** is the password for the account on Emby.
- **Access Hash**: API key that you created in the previous step on the Emby server.
- Check the **SSL** box if you want to use SSL-encrypted connection. If necessary, specify the port and perform a connection test.

Add New Server

Name	emby-test.uuq.pl
Maximum Number of Accounts	100
Server Group	Default
Default	Set as default server in group
IP Address or Domain	emby-test.uuq.pl
Username	admin
Password	Connection test Successful
	cf[redacted]04
Access Hash	
SSL	Connect using SSL
Port	443 Change standard port
Test Connection	Test Connection

Add New Server

Service configuration

Emby Family module **WISECP**

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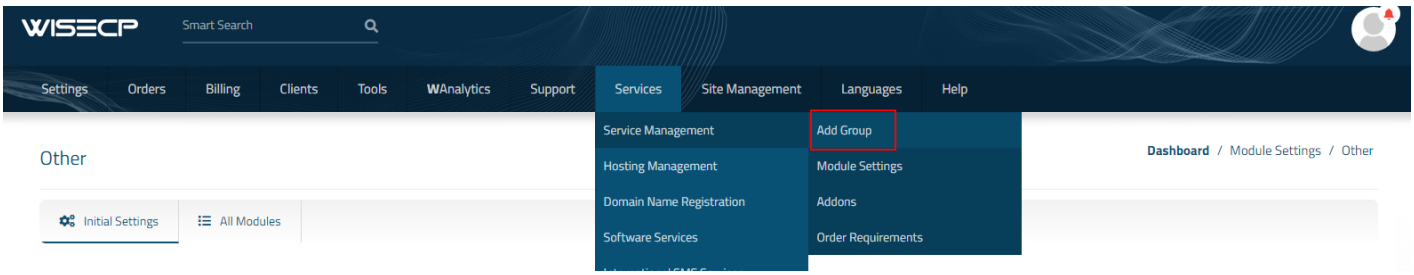
> If you do not have a **Service Group** where you want to place the new service, you need to create a new **Service Group**

1. Log in to the admin area of your **WISECP**.

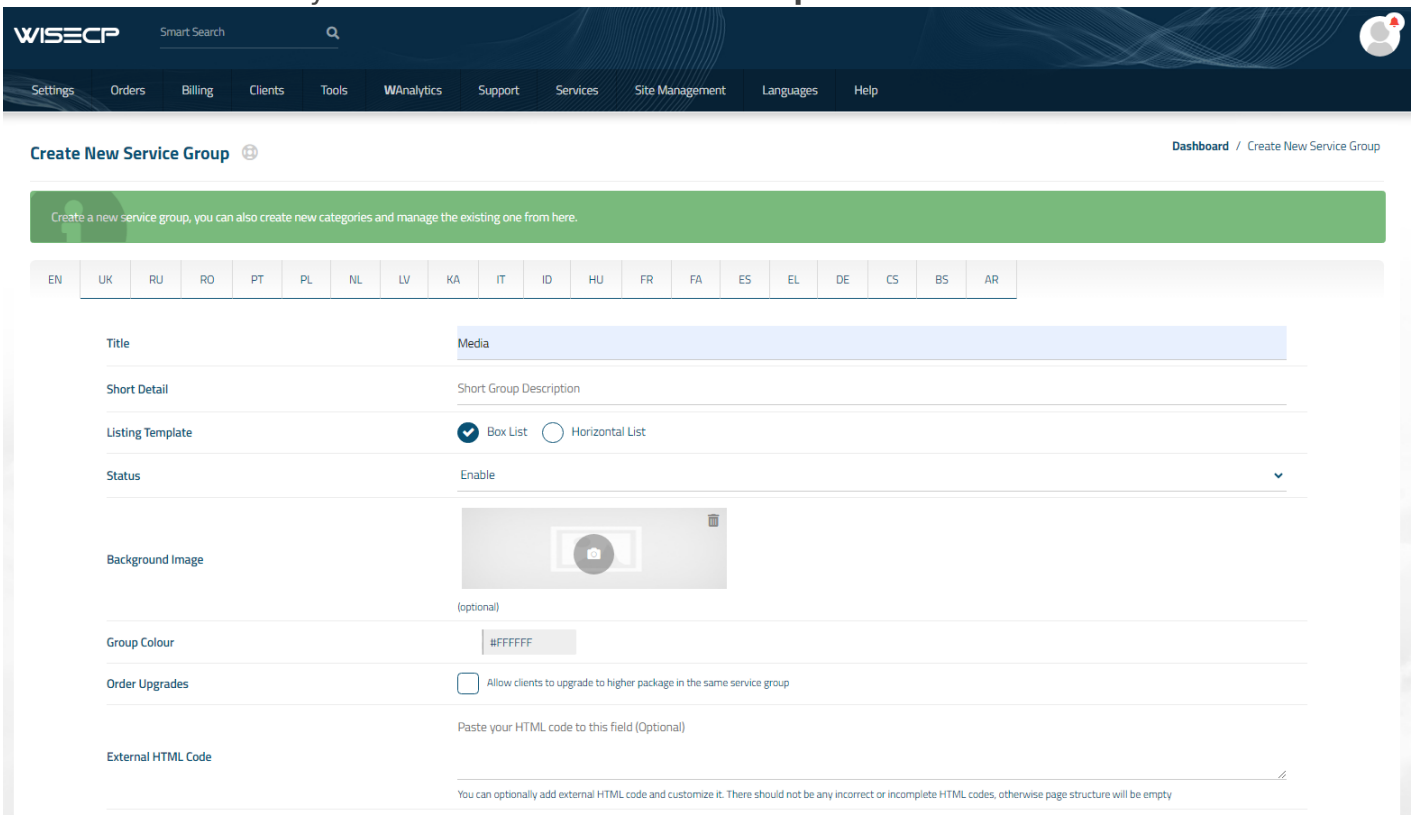
2. Create New Service Group

Go to

```
Services -> Service Management -> Add Group
```



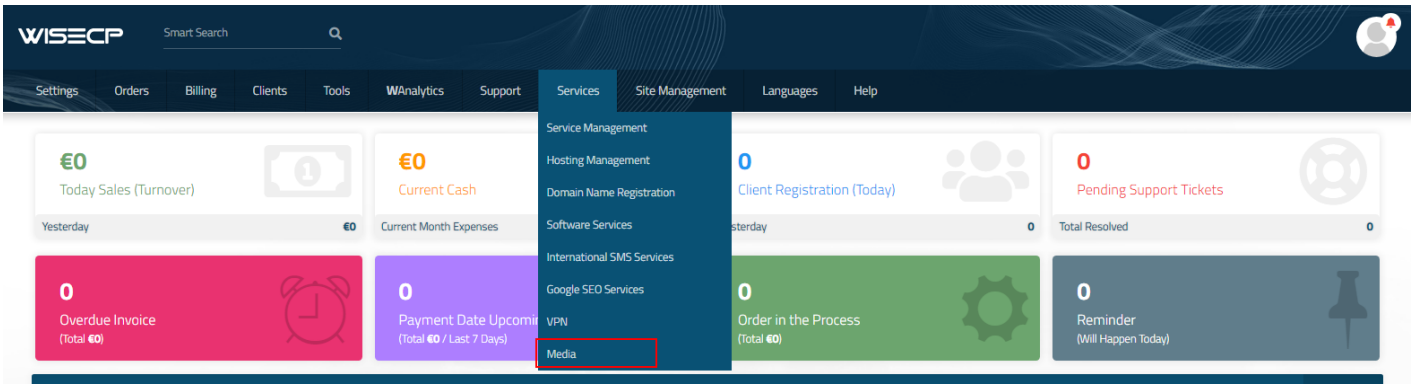
Enter all the necessary data and click the '**Create Group**' button.



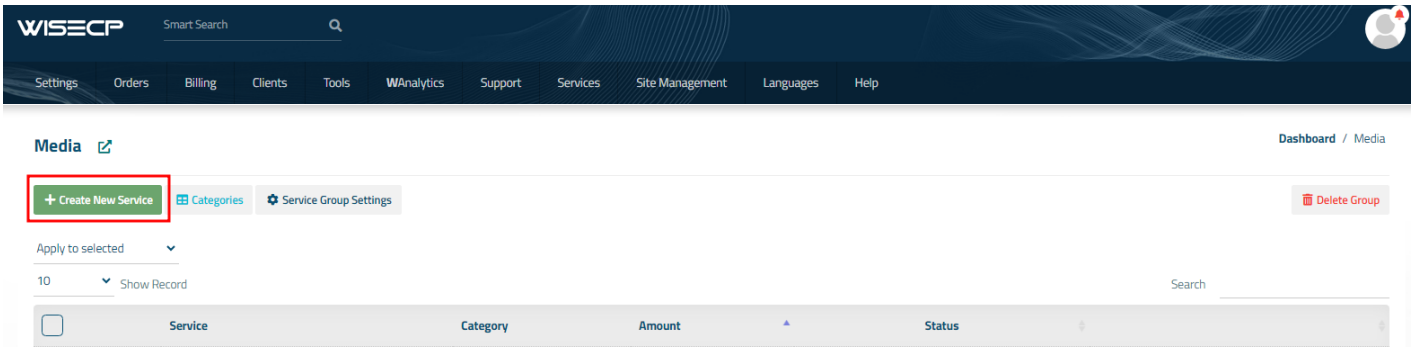
3. Adding a New Service

Go to

```
Services -> our service group where you need to add the new service.
```

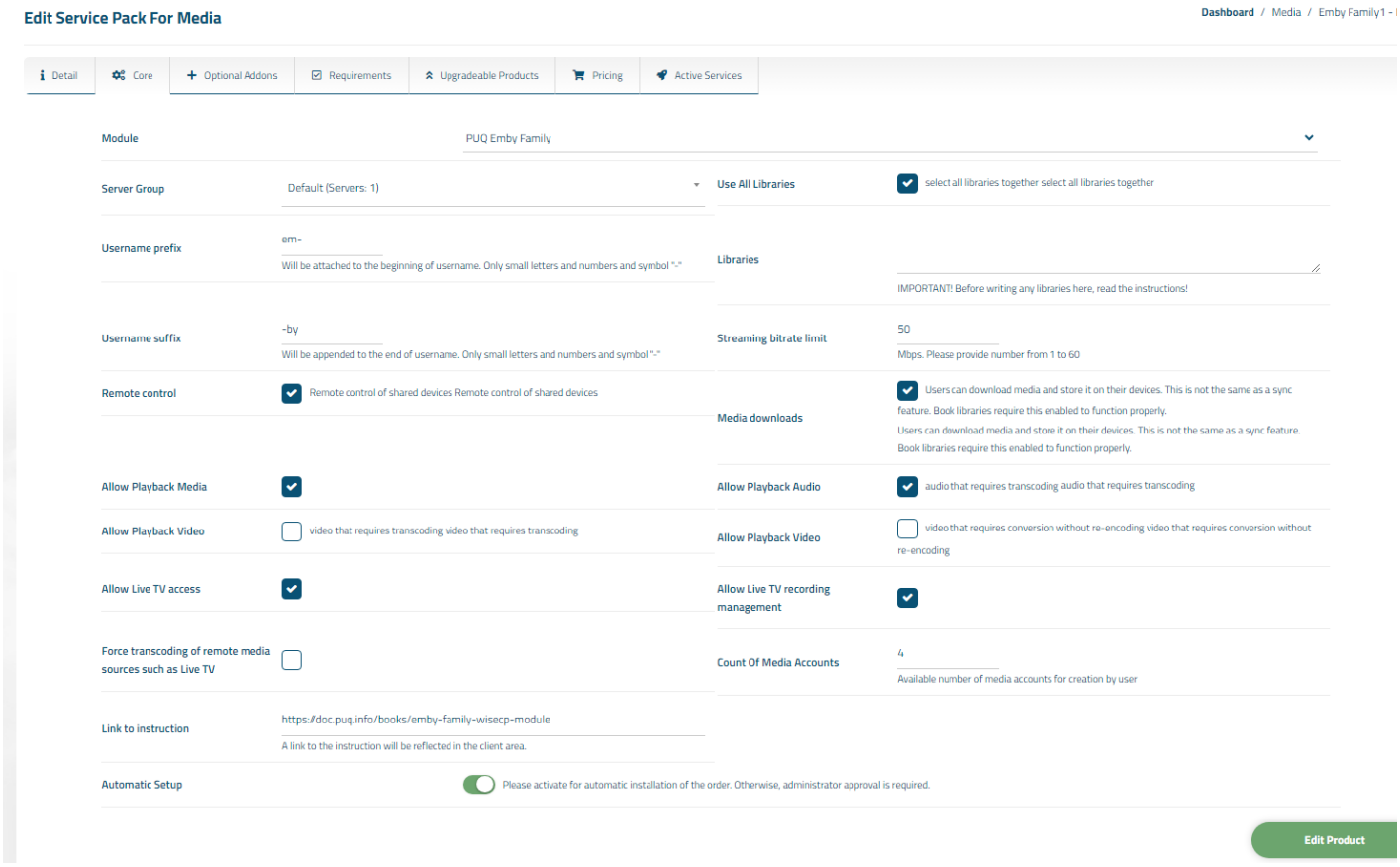


In the opened window, click the '**Create New Service**' button.



On the opened page, enter all the necessary details for your new service and navigate to the '**Core** ' tab.

Select the '**PUQ Emby Family**' module from the drop-down list of modules.



4. Fill in the configuration options according to your preferences.

Libraries:

- **Use All Libraries**: Choosing all of libraries from your Jellyfin server
- **Libraries**: The libraries you want to make available to customers of this product.
  (IMPORTANT! Start a new line for each new library)
  Example:

"Movies
Beginner`s Programming Course
Comedy"

IMPORTANT!

If you have a folder named "-", please enter it not as the first one or rename it.
If you don't want any folder to be accessible, type "-".

User Configuration:

- **Streaming bitrate limit:** An optional per-stream bitrate limit for all out of network devices. This is useful to prevent devices from requesting a higher bitrate than your internet connection can handle. This may result in increased CPU load on your server in order to transcode videos on the fly to a lower bitrate.
- **Remote control:** Remote control of shared devices (DLNA devices are considered shared until a user begins controlling them)
- **Media downloads:** Users can download media and store it on their devices. This is not the same as a sync feature. Book libraries require this enabled to function properly.
- **Username prefix/Username suffix:** Necessary in order to generate a username for the service, in the format: **prefix<client_id>-<service_id>suffix**

Allow playback (Restricting access to transcoding may cause playback failures in clients due to unsupported media formats)

- **media**
- **audio that requires transcoding**
- **video that requires transcoding**
- **video that requires conversion without re-encoding**

Feature access:

- **Allow Live TV access**
- **Allow Live TV recording management**
- **Force transcoding of remote media sources such as Live TV**

Media Accounts Configuration

- **Count of media accounts**: Available number of media accounts for creation by user.

Links

- **Link to instruction:** Link to the instruction, if filled out, it will be reflected in the client

area

Add new library/item in Emby

Emby Family module **WISECP**

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New library:

To create a new library, you should to **create a folder** in your Emby server.

First, navigate to the root of your project "/" and enter the following commands:

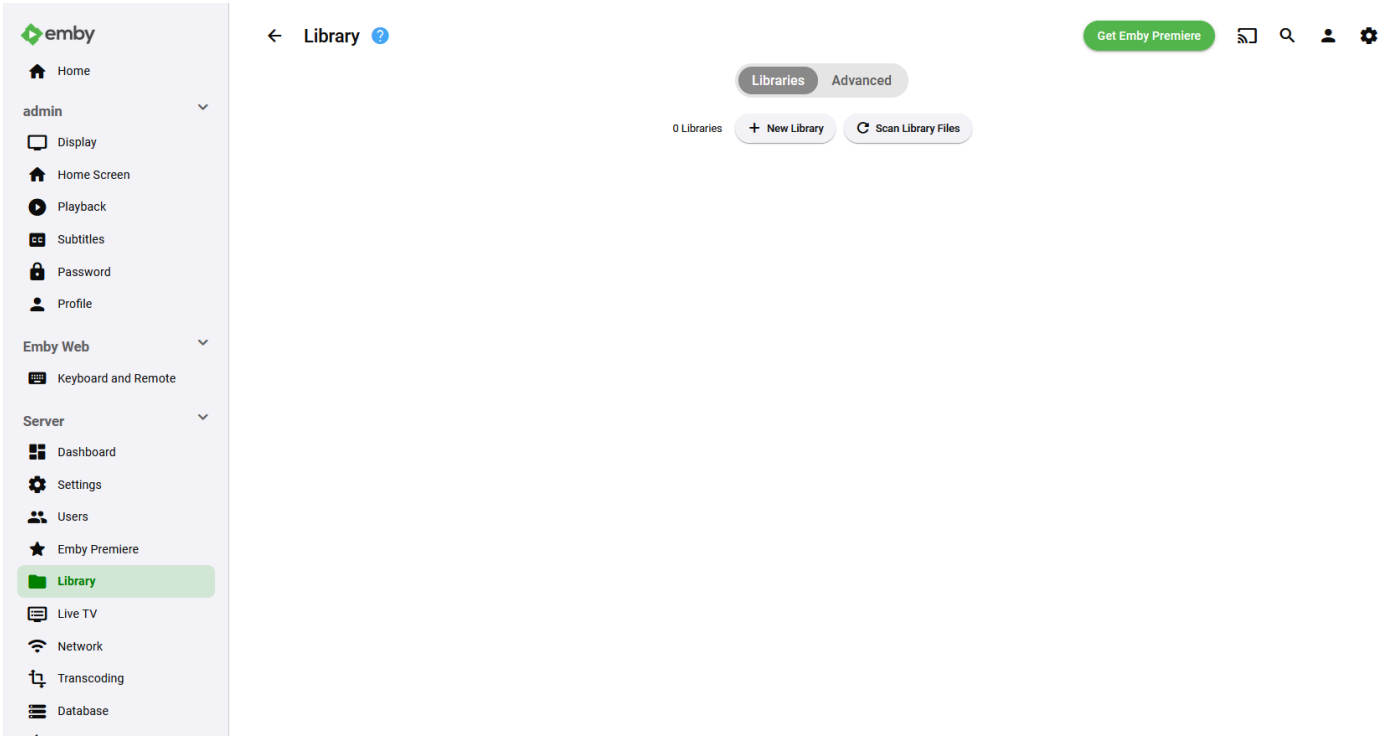
```
cd mnt
```

```
mkdir LIBRARY_NAME
```

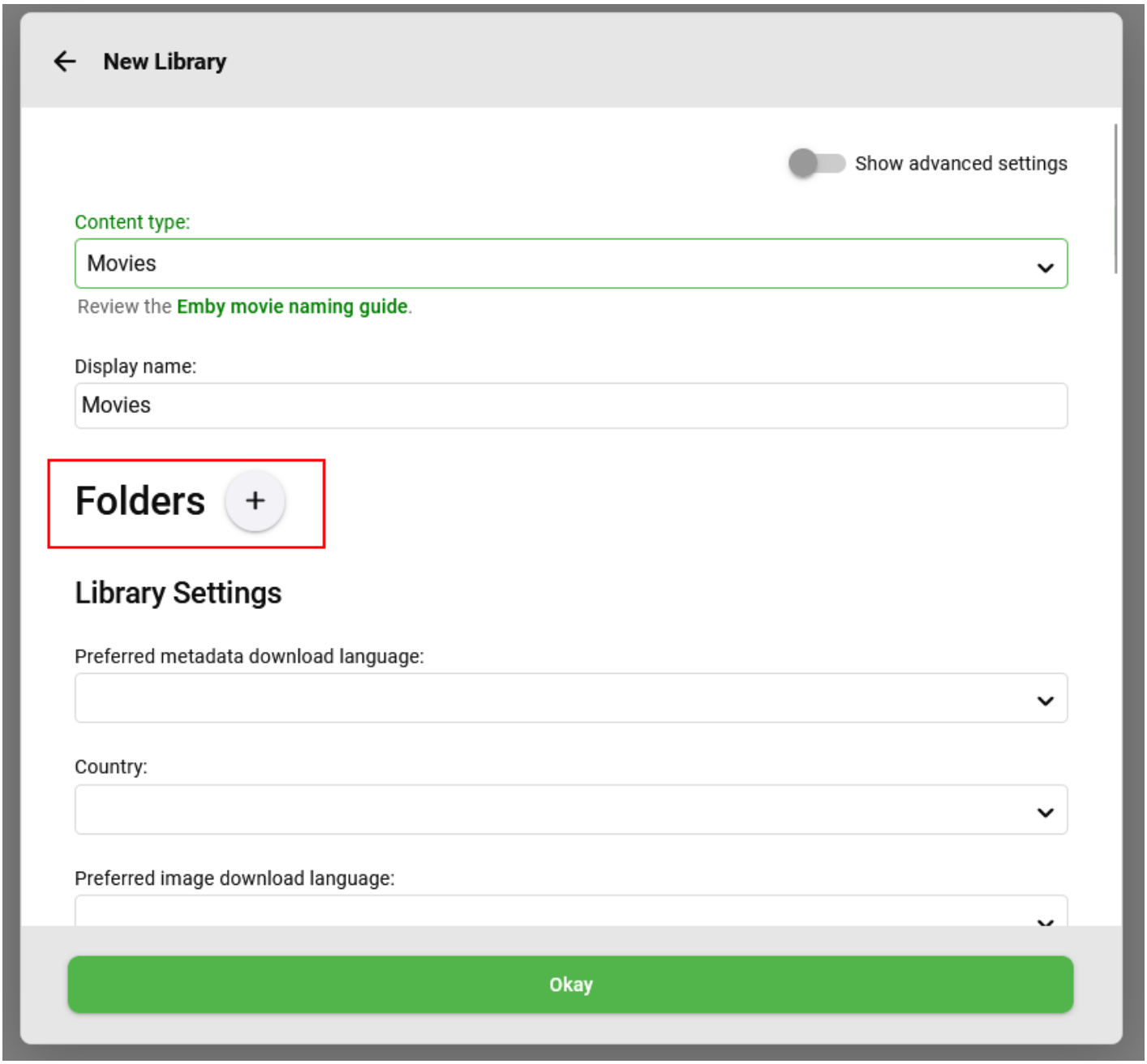
LIBRARY_NAME - The name of the new library.

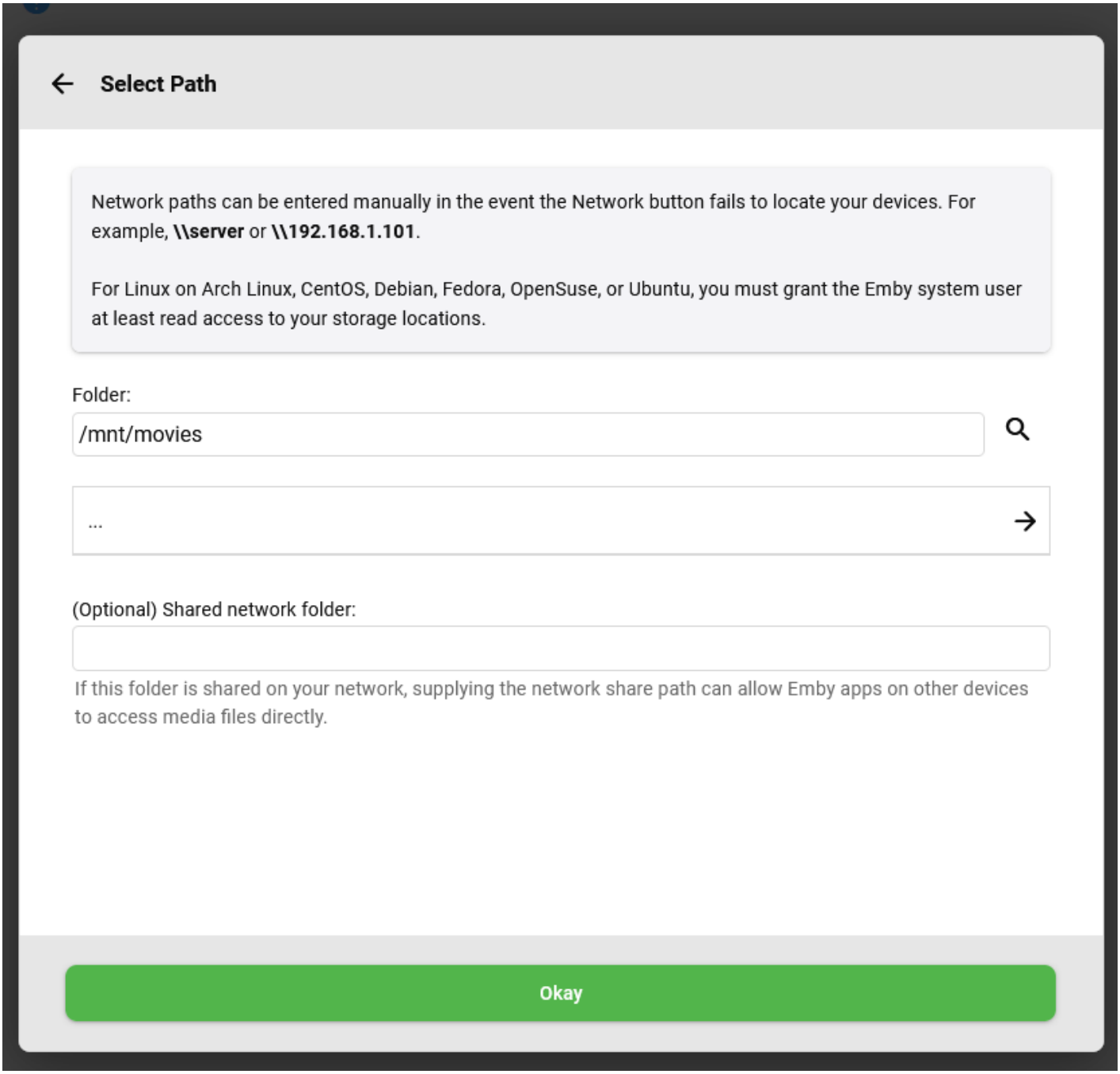
After creating a folder, let's create a library in Emby:

Add a new library:



Assign the appropriate folder to this library:


New Library
Show advanced settings
Content type:
Movies
Review the Emby movie naming guide.
Display name:
Movies
Folders
Library Settings
Preferred metadata download language:
Country:
Preferred image download language:
Okay



New item:

To download a new item, navigate to the root of your project "/" and enter the following commands:

```
cd mnt/LIBRARY_NAME
```

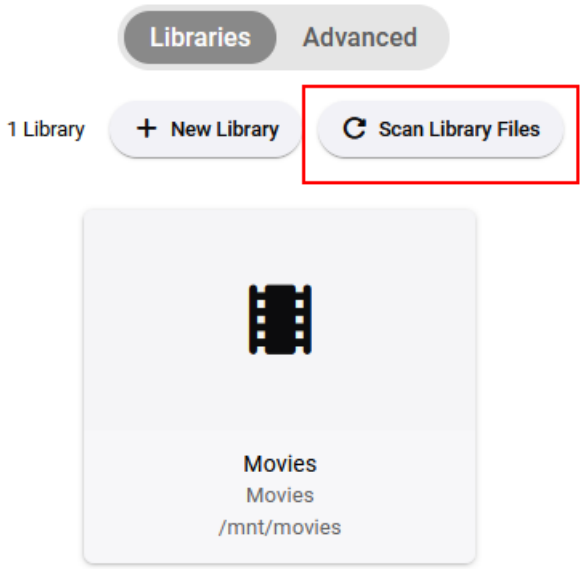
```
wget DOWNLOAD_ITEM_URL
```

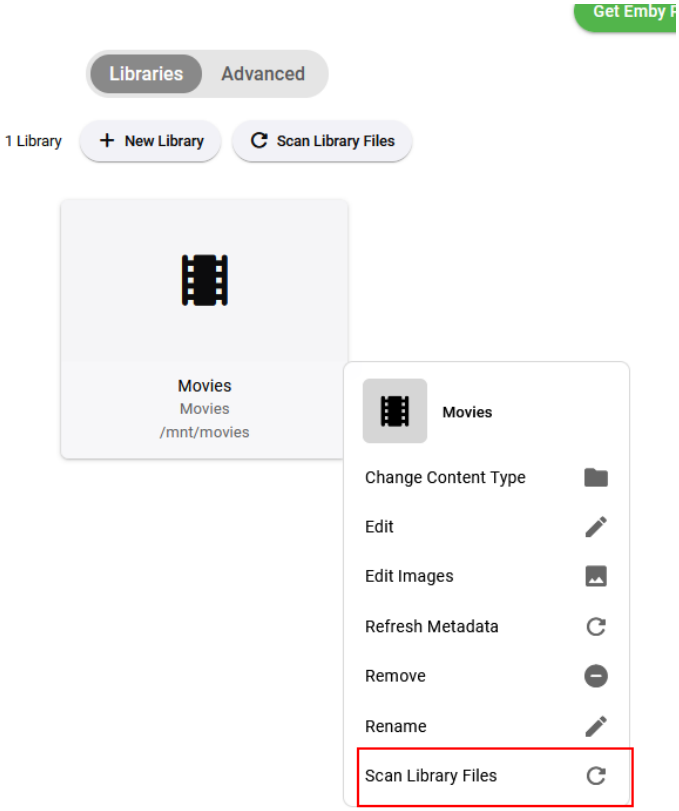
LIBRARY_NAME - The name of the library.

DOWNLOAD_ITEM_URL - The download URL of the item you want to upload to the server.

After all

Scan all libraries by clicking on the "Scan All Libra
clicking on the three dots and selecting "Scan Libr





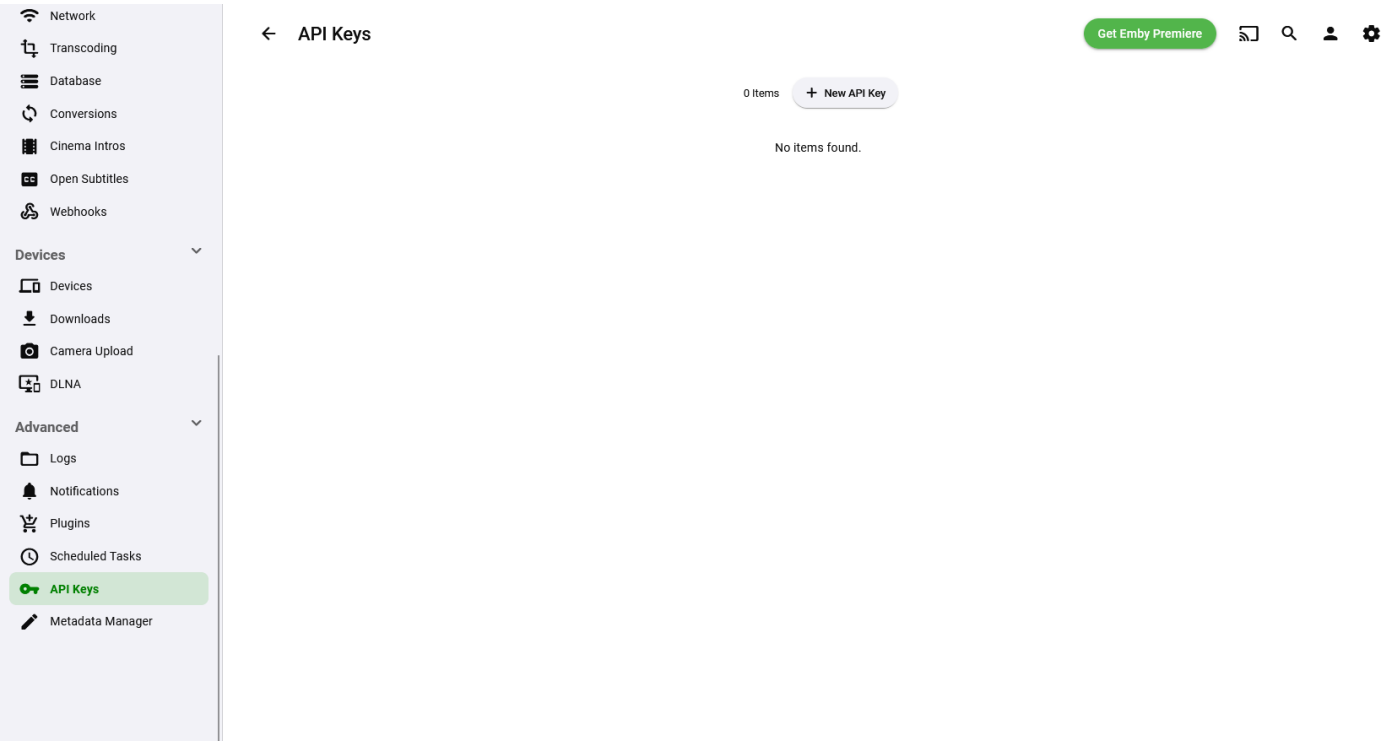
Getting Access Hash (API key)

Emby Family module **WISECP**

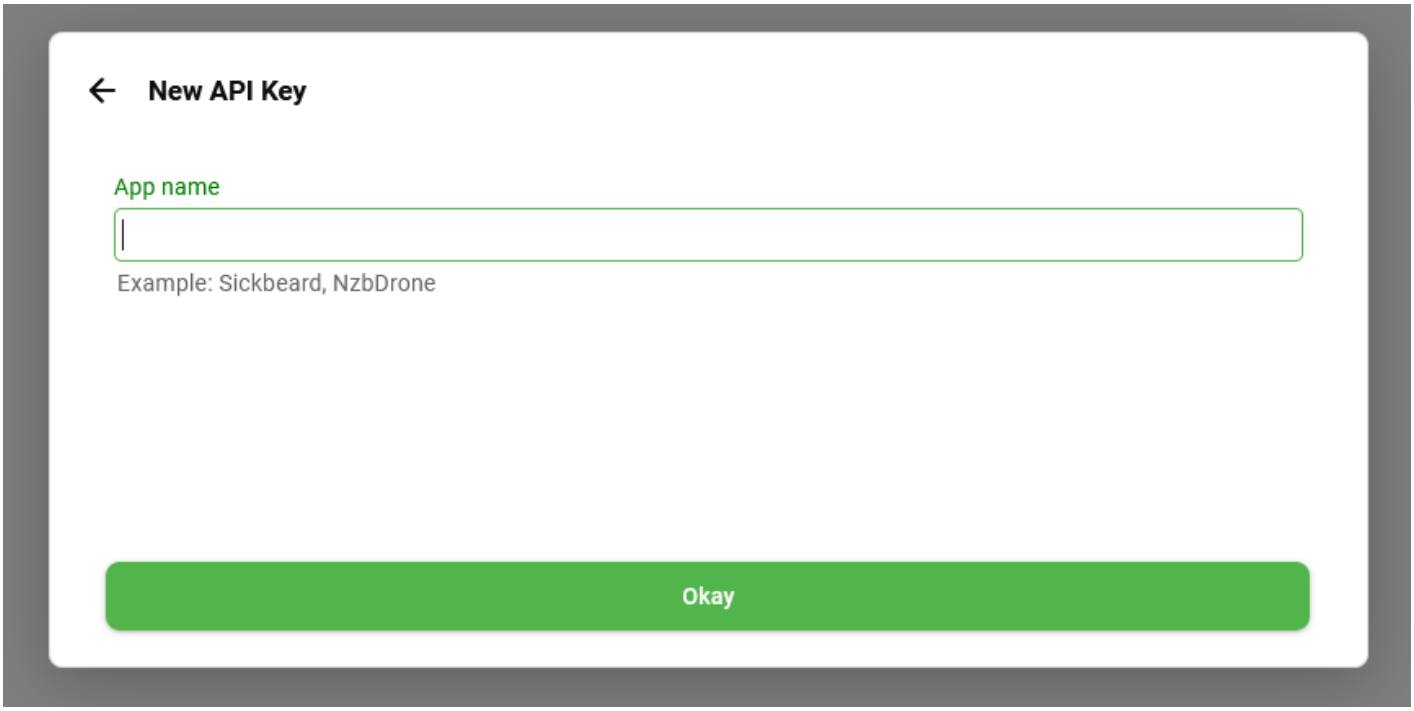
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```
Dashboard -> API Keys
```

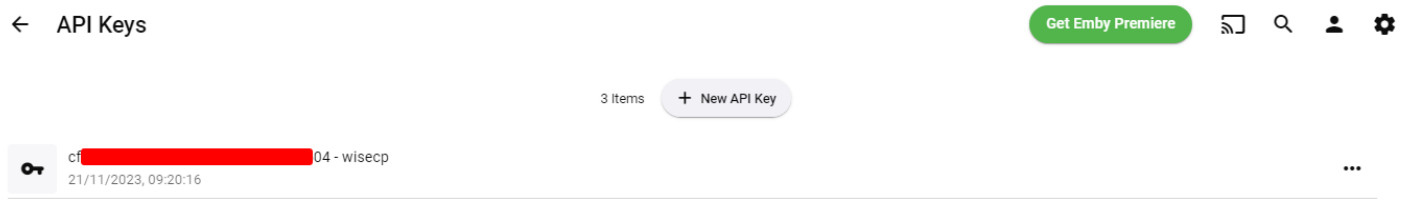
Create a new API Key



Whrite an App Name



Now you can getting an API key



Client Area

Product Home Screen

Emby Family module **WISECP**

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The end customer, after logging in to his own customer panel, has access to the following information and options

- Link to the user manual (which was defined by the administrator when setting up the service.).
- Emby server address
- Authorization data
- User informations
- List of active devices
- List of enabled user libraries
- Drop all devices
- Change the Emby user password
- Add/Manage Emby Connect account
- Add/Management/Delete Media Account
- Drop Account Devices
- List of Media Accounts

Screenshot of the client area

Emby Family1

Client Area / My Services / Media / Emby Family1

Details | Additional Services | Upgrade | Cancellation Request

Order ID
#187



Renew Now

General Information	Invoice #297
Service Group	Media
Service Name	Emby Family1
Services Status	Active
Payment Period	Monthly
Renewed On	03.07.2024
Next Due Date	03.08.2024
Amount : 22zł	

User manual | Web interface | Drop All Devices | Emby Connect

Management Media User

Username 4-187

Status Enable

Password .....

Save

Emby Connect Username: Username not entered

Libraries: Movies | Cartoons | Sport | Movies | Beginner`s Programming Course

Active Devices

10 Show Record Search

Device Name	App Name	Last Activity
No data available in table		

No Records Prev Next

Streaming bitrate limit 0 Mbps

Media Accounts

Count of Media Account: 1 /4

Add Media Account

4-187-thfghdh
Emby Connect: on

Client Area

Manage Emby Connect

Emby Family module **WISECP**

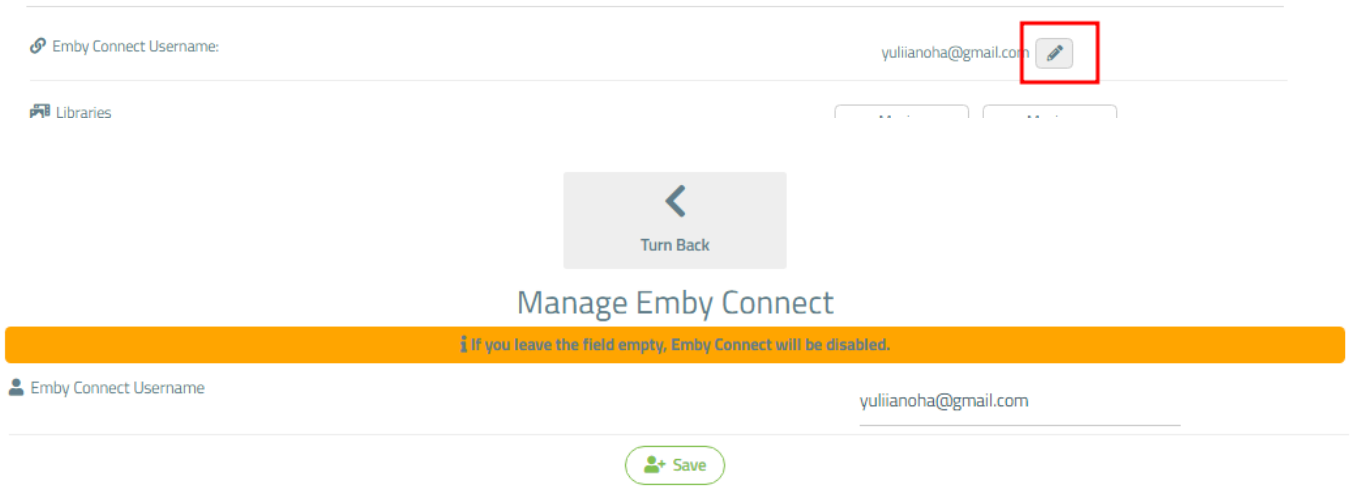
Order now | Download | FAQ

Here you can add an Emby Connect Username for main user

If you leave the field empty, Emby Connect will be disabled.

Register the email in **Emby Connect.**

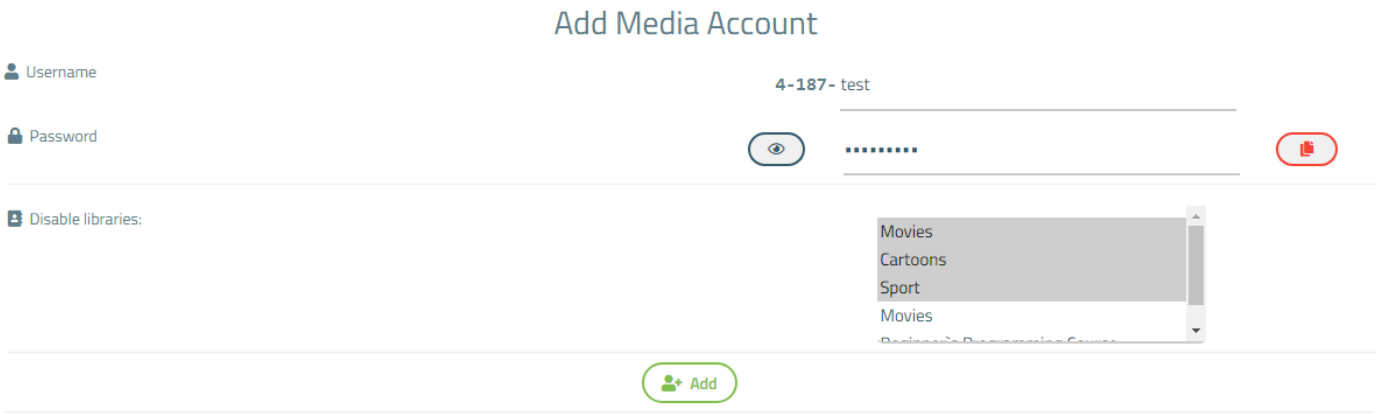
One Emby Connect username can only be linked to one Emby account.



Add Media Account

Emby Family module **WISECP**

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Username - Set a media account username. It consists of the username of the main account and a unique name for this media account.

Password - Write a password for registering the media account, or generate one by clicking Generate.

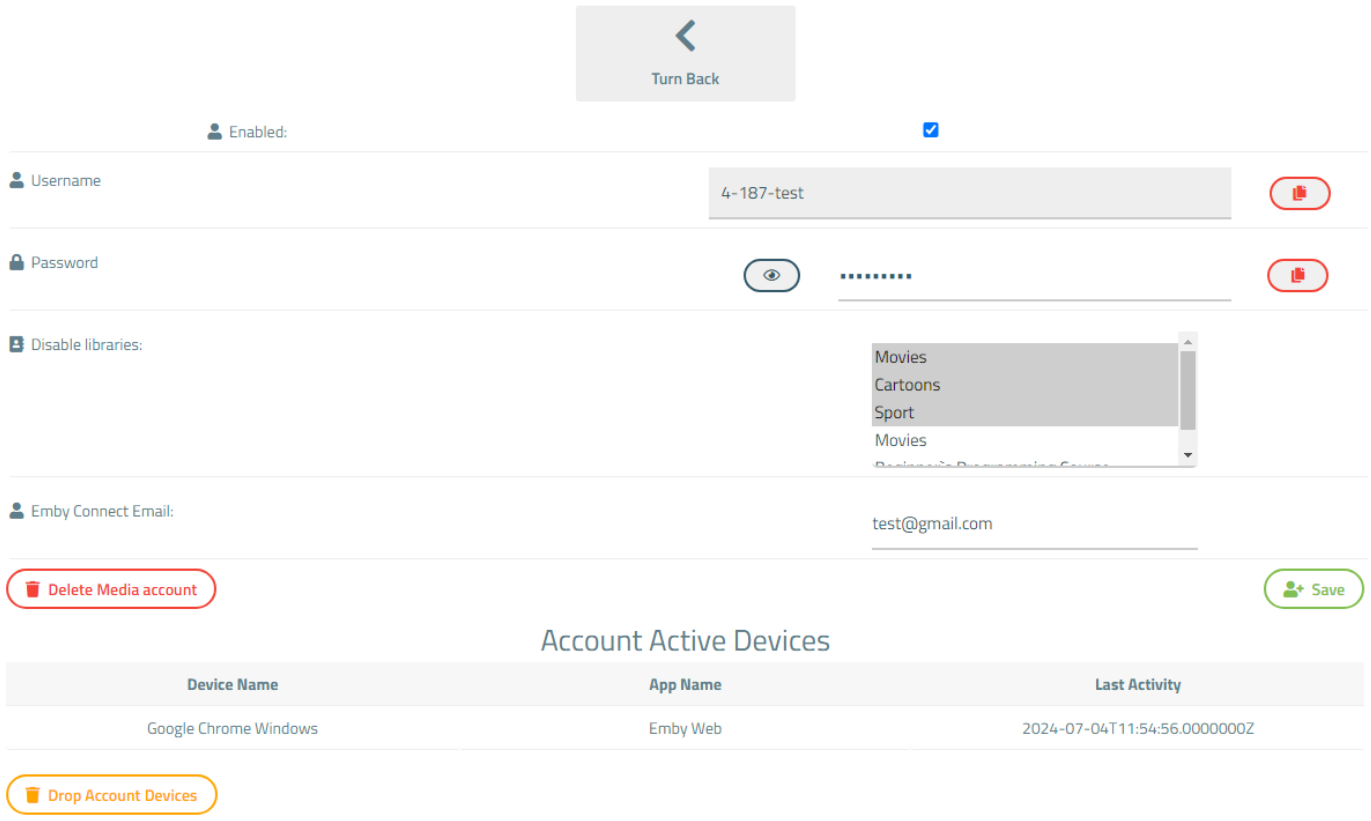
Disable libraries - Here are all the libraries available to the main account. If you want to restrict access for this media account to any of the libraries, simply select that library.

> Press **Ctrl** to select multiple libraries.
> Press **Shift** to select all libraries.

Management Media account

Emby Family module **WISECP**

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Enabled - Update account status.

Username - Set a media account username. It consists of the username of the main account and a unique name for this media account.

Password - Write a password for registering the media account.

Disable libraries - Here are all the libraries available to the main account. If you want to restrict access for this media account to any of the libraries, simply select that library.

Press **Ctrl** to select multiple libraries.
Press **Shift+Ctrl** from top to bottom of list to select all libraries.

Emby Connect Email - add an Emby Connect Username for media account

If you leave the field empty, Emby Connect will be disabled.

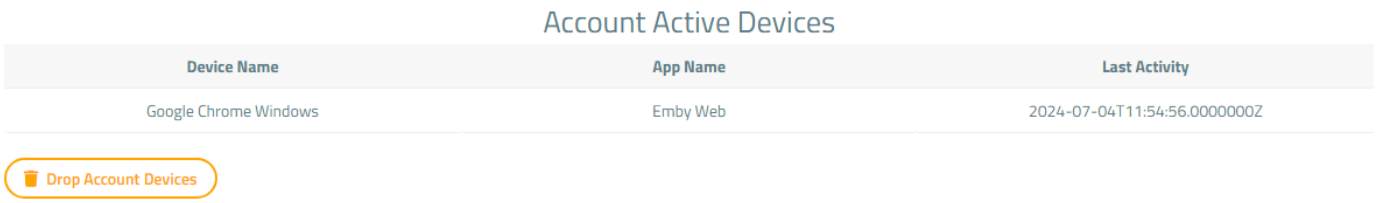
Register the email in **Emby Connect.**

One Emby Connect username can only be linked to one Emby account.

Media account active devices

Here is a list of active devices for this account.

Press "Drop Account Devices" to sign out from the devices.



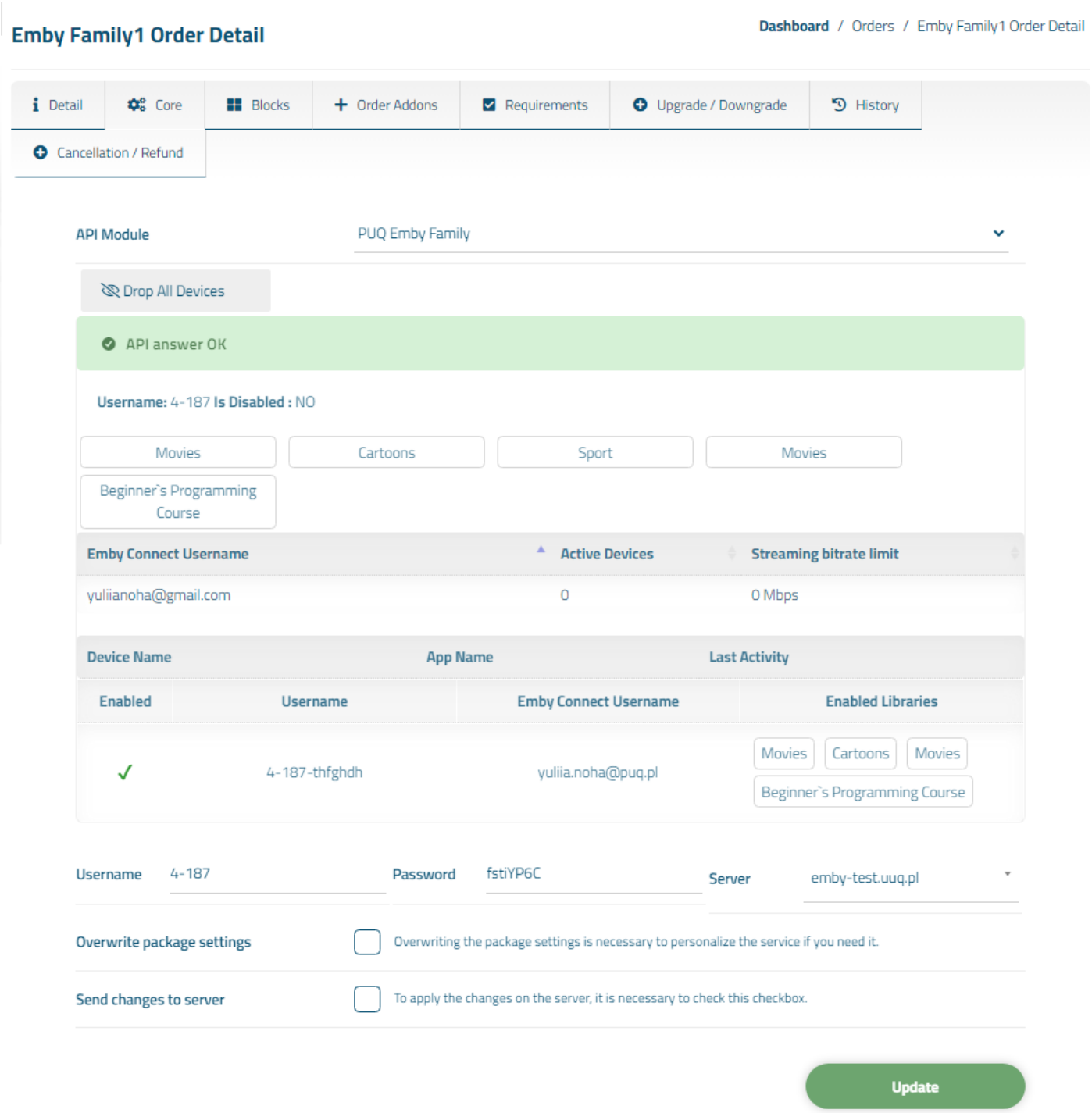
Admin Area

Order Detail

Emby Family module **WISECP**

Order now | Download | FAQ

Navigate to the service you want to manage, then go to the '**Core**' tab.



In the opened tab, you have a view of the online status of the service. The available online information includes:

- Connection status to the API
- Information about the Emby account on the **Emby** server
- Information about the account

Also, below are fields with the client's personal data.

You can also individually override package options for the client by checking the '**Overwrite package settings**' box.

> After modifying the configuration options, check the '**Send changes to server**' box to save the data to the Emby server.

