

# Installation and configuration guide

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# WHMCS setup(install/update)

## Emby Family module **WHMCS**

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**Module is coded ionCube v13**

Supported php version:

- php 7.4 WHMCS 8.11.0 -
- php 8.1 WHMCS 8.11.0 +
- php 8.2 WHMCS 8.11.0 +

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

### 1. Download the latest version of the module.

PHP 8.2

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/php82/PUQ_WHMCS-Emby-Family-latest.zip
```

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/php81/PUQ_WHMCS-Emby-Family-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/php74/PUQ_WHMCS-Emby-Family-latest.zip
```

All versions are available via link:

[http://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-Emby-Family/](http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/)

## 2. Unzip the archive with the module.

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

## 3. Copy and Replace "puqEmbyFamily" to "WHMCS\_WEB\_DIR/modules/servers/"

# Setup guide: Emby setup

## Emby Family module **WHMCS**

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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
```



# Setup guide: WHMCS setup

## Emby Family module **WHMCS**

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### 1. Download the latest version of the module.

PHP 8.1

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/PUQ_WHMCS-Emby-Family-latest.zip
```

PHP 7.4

```
wget http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/php74/PUQ_WHMCS-Emby-Family-latest.zip
```

All versions are available via link:

[http://download.puqcloud.com/WHMCS/servers/PUQ\\_WHMCS-Emby-Family/](http://download.puqcloud.com/WHMCS/servers/PUQ_WHMCS-Emby-Family/)

### 2. Unzip the archive with the module.

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

### 3. Copy "puqEmbyFamily" to "WHMCS\_WEB\_DIR/modules/servers/"

### 4. Create new server Emby in WHMCS (System Settings->Products/Services->Servers)

System Settings->Servers->Add New Server

- Enter the correct **Name** and **Hostname**

#### Edit Server

Name	em[REDACTED].pl
Hostname	em[REDACTED].pl
IP Address	
Assigned IP Addresses (One per line)	
Monthly Cost	0.00
Datacenter/NOC	
Maximum No. of Accounts	200
Server Status Address	To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/
Enable/Disable	<input type="checkbox"/> Check to disable this server

- In the **Server Details** section, select the "**PUQ Emby Family**" module and enter the correct **username**, **password** and **access hash (API key)** for the **Emby web interface**.
- To check, click the "**Test connection**" button

Module	PUQ Emby Family	<input type="button" value="Test Connection"/>
Username	admin	
Password	.....	
Access Hash	4a[REDACTED]03	
Secure	<input checked="" type="checkbox"/> Check to use SSL Mode for Connections	
Port	443 <input type="checkbox"/> Override with Custom Port	

Save Changes

Cancel Changes

## 5. Create a new Products/Services

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the **"PUQ Emby Family"** module

Module Name

PUQ Emby Family

Server Group

PUQ Emby Family

License key

W [REDACTED] F

success: 2024-07-13T10:53:59+02:00

Media Accounts Configuration

Count of media accounts:

11

Available number of media accounts for creation by user

Streaming bitrate limit:

12

Mbps

Remote control:

☒ Remote control of shared devices (DLNA devices are considered shared until a user begins controlling them)

☒ 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.

Media downloads:

☒ Allow subtitle downloading

Subtitle Downloading:

☒ If allowed, and if enabled in Emby mobile apps, users can automatically upload photos and videos taken from their camera to this Emby Server

Camera upload:

☒ Grant or deny access to the convert media feature.

Media conversion:

☒ Only web pages containing media information are shared. Media files are never shared publicly. Shares are time-limited and will expire after 30 days.

Social media sharing:

☒ Allow this user to change their password and profile image

User Preference Access:

em1-

Will be attached to the beginning of username. Only small letters and numbers and symbol "-"

Username prefix:

-by1

Will be appended to the end of username. Only small letters and numbers and symbol "-"

Username suffix:

Allow Live TV access:

☒

Allow Live TV recording management:

☒

Force transcoding of remote media sources such as Live TV:

☒

Libraries Configuration

Use All Libraries:

☐ select all libraries together

Sport

Cartoons

Movies

Write down 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

media:

☒

audio that requires transcoding:

☒

video that requires transcoding:

☒

video that requires conversion without re-encoding:

☒

Links

Instruction:

https://doc.puq.info/books/emby-whmcs

A link to the instruction will be reflected in the client area.

Client Area

Show Password:

Show button

Show service password in the client area

Switch to Advanced Mode

☐ Automatically setup the product as soon as an order is placed

☒ Automatically setup the product as soon as the first payment is received

☐ Automatically setup the product when you manually accept a pending order

☐ Do not automatically setup this product

- **License key:** A pre-purchased license key for the "**PUQ Emby Family**" module. For the module to work correctly, the key must be active

## Media Accounts Configuration

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

## 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.
- **Subtitle Downloading:** Allow subtitle downloading
- **Camera upload:** If allowed, and if enabled in Emby mobile apps, users can automatically upload photos and videos taken from their camera to this Emby Server
- **Media conversion:** Grant or deny access to the convert media feature.
- **Social media sharing:** Only web pages containing media information are shared. Media files are never shared publicly. Shares are time-limited and will expire after 30 days.
- **User Preference Access:** Allow this user to change their password and profile image
- **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**

## Links

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

## Client Area

- **Client Area:** Client zone settings, show or not show the password in the client zone, type how to show the password.

# Add server (Emby server)

## Emby Family module **WHMCS**

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Add a new server to the system WHMCS.

System Settings->Servers->Add New Server

- Enter the correct **Name** and **Hostname**

Edit Server

Name	<input type="text" value="em[REDACTED].pl"/>
Hostname	<input type="text" value="em[REDACTED].pl"/>
IP Address	<input type="text"/>
Assigned IP Addresses (One per line)	<div></div>
Monthly Cost	<input type="text" value="0.00"/>
Datacenter/NOC	<input type="text"/>
Maximum No. of Accounts	<input type="text" value="200"/>
Server Status Address	<input type="text"/> <small>To display this server on the server status page, enter the full path to the server status folder (required to be uploaded to each server you want to monitor) - eg. https://www.example.com/status/</small>
Enable/Disable	<input type="checkbox"/> Check to disable this server

- In the **Server Details** section, select the "**PUQ Emby Family**" module and enter the correct **username**, **password** and **access hash (API key)** for the **Emby web interface**.
- To check, click the "**Test connection**" button

Module	<div>PUQ Emby Family</div> <div>▼</div>	<div>Test Connection</div>
Username	<div>admin</div>	
Password	<div>.....</div>	
Access Hash	<div>4a<div></div>03</div>	
Secure	<div><input checked="" type="checkbox"/> Check to use SSL Mode for Connections</div>	
Port	<div><div>443</div><div><input type="checkbox"/> Override with Custom Port</div></div>	

Save Changes

Cancel Changes

# Product Configuration

## Emby Family module **WHMCS**

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### Create a new Products/Services

System Settings->Products/Services->Create a New Product

In the **Module settings** section, select the "**PUQ Emby Family**" module



Module Name

PUQ Emby Family

Server Group

PUQ Emby Family

License key	<div>W<div></div>F</div> <div>success: 2024-07-13T10:53:59+02:00</div>	Media Accounts Configuration	<div>Count of media accounts:11</div> <div>Available number of media accounts for creation by user</div>
Libraries Configuration	<div>Use All Libraries:<input type="checkbox"/> select all libraries together</div> <div><div>Sport</div><div>Cartoons</div><div>Movies</div></div> <div>Write down the libraries you want to make available to customers of this product. <b>(IMPORTANT! Start a new line for each new library)</b> Example: "Movies Beginner's Programming Course Comedy"  <b>IMPORTANT!</b> 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 "-".</div>	User Configuration	<div>Streaming bitrate limit:12</div> <div>Mbps</div> <div>Remote control:<input checked="" type="checkbox"/> Remote control of shared devices (DLNA devices are considered shared until a user begins controlling them)</div> <div>Media downloads:<input checked="" type="checkbox"/> 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.</div> <div>Subtitle Downloading:<input checked="" type="checkbox"/> Allow subtitle downloading</div> <div><input checked="" type="checkbox"/> If allowed, and if enabled in Emby mobile apps, users can automatically upload photos and videos taken from their camera to this Emby Server</div> <div>Camera upload:</div> <div>Media conversion:<input checked="" type="checkbox"/> Grant or deny access to the convert media feature.</div> <div><input checked="" type="checkbox"/> Only web pages containing media information are shared. Media files are never shared publicly. Shares are time-limited and will expire after 30 days.</div> <div>Social media sharing:</div> <div>User Preference Access:<input checked="" type="checkbox"/> Allow this user to change their password and profile image</div> <div><div>em1-</div></div> <div>Username prefix:</div> <div>Will be attached to the beginning of username. Only small letters and numbers and symbol "-"</div> <div><div>-by1</div></div> <div>Username suffix:</div> <div>Will be appended to the end of username. Only small letters and numbers and symbol "-"</div>
	Allow playback	<div>media:<input checked="" type="checkbox"/></div> <div>audio that requires transcoding:<input checked="" type="checkbox"/></div> <div>video that requires transcoding:<input checked="" type="checkbox"/></div> <div>video that requires conversion without re-encoding:<input checked="" type="checkbox"/></div>	Feature access
Links	<div>Instruction:<div>https://doc.puq.info/books/emby-whmcs</div></div> <div>A link to the instruction will be reflected in the client area.</div>	Client Area	<div>Show Password:<div>Show button</div></div> <div>Show service password in the client area</div>

Switch to Advanced Mode

☐ Automatically setup the product as soon as an order is placed

☒ Automatically setup the product as soon as the first payment is received

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- **License key:** A pre-purchased license key for the "**PUQ Emby Family**" module. For the module to work correctly, the key must be active

## Media Accounts Configuration

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

## 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 "-".

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- **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.
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- **Social media sharing:** Only web pages containing media information are shared. Media files are never shared publicly. Shares are time-limited and will expire after 30 days.
- **User Preference Access:** Allow this user to change their password and profile image
- **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**

## Links

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

## Client Area

- **Client Area:** Client zone settings, show or not show the password in the client zone, type how to show the password.

# Add new library/item in Emby

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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:

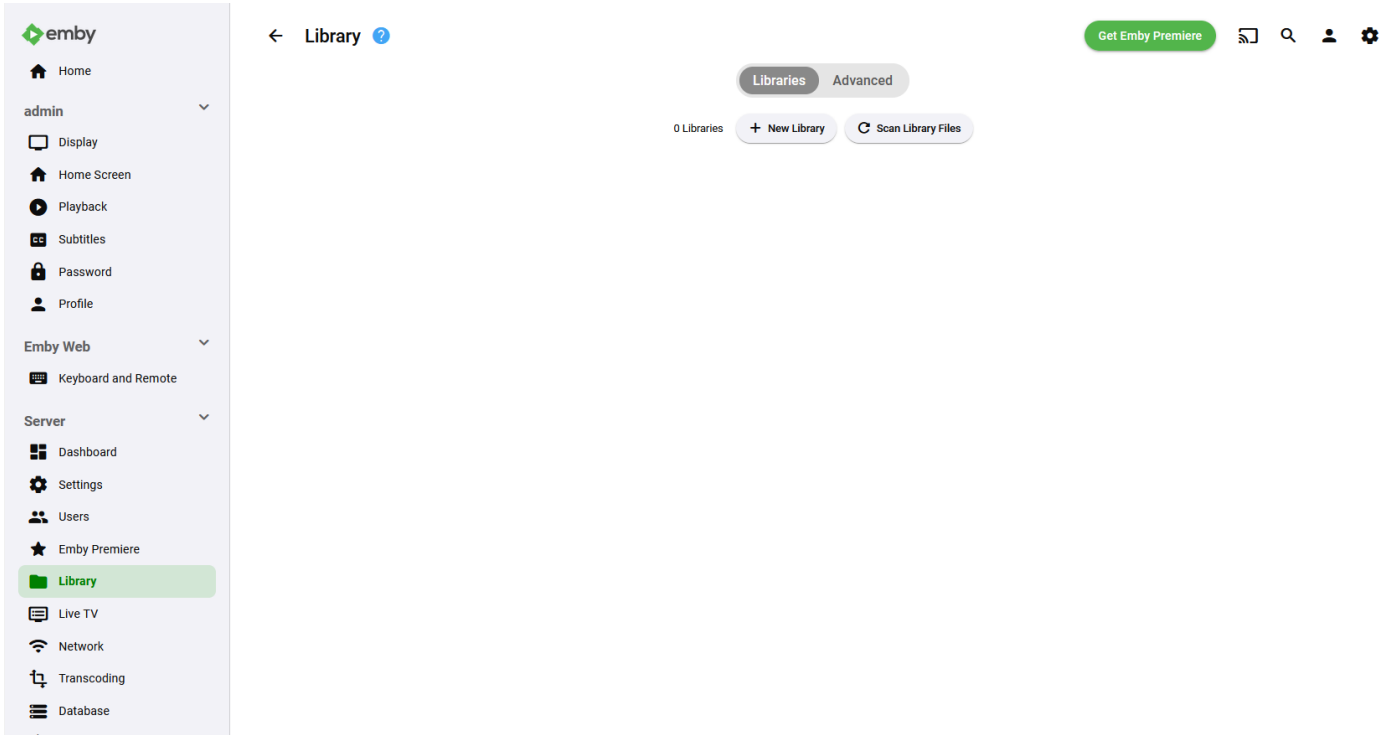
```
cd mnt
```

```
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:

☐ 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

## ← Select Path

Network paths can be entered manually in the event the Network button fails to locate your devices. For example, `\\server` or `\\192.168.1.101`.

For Linux on Arch Linux, CentOS, Debian, Fedora, OpenSuse, or Ubuntu, you must grant the Emby system user at least read access to your storage locations.

Folder:



(Optional) Shared network folder:

If this folder is shared on your network, supplying the network share path can allow Emby apps on other devices to access media files directly.

Okay

## New item:

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

```
cd mnt/LIBRARY_NAME
```

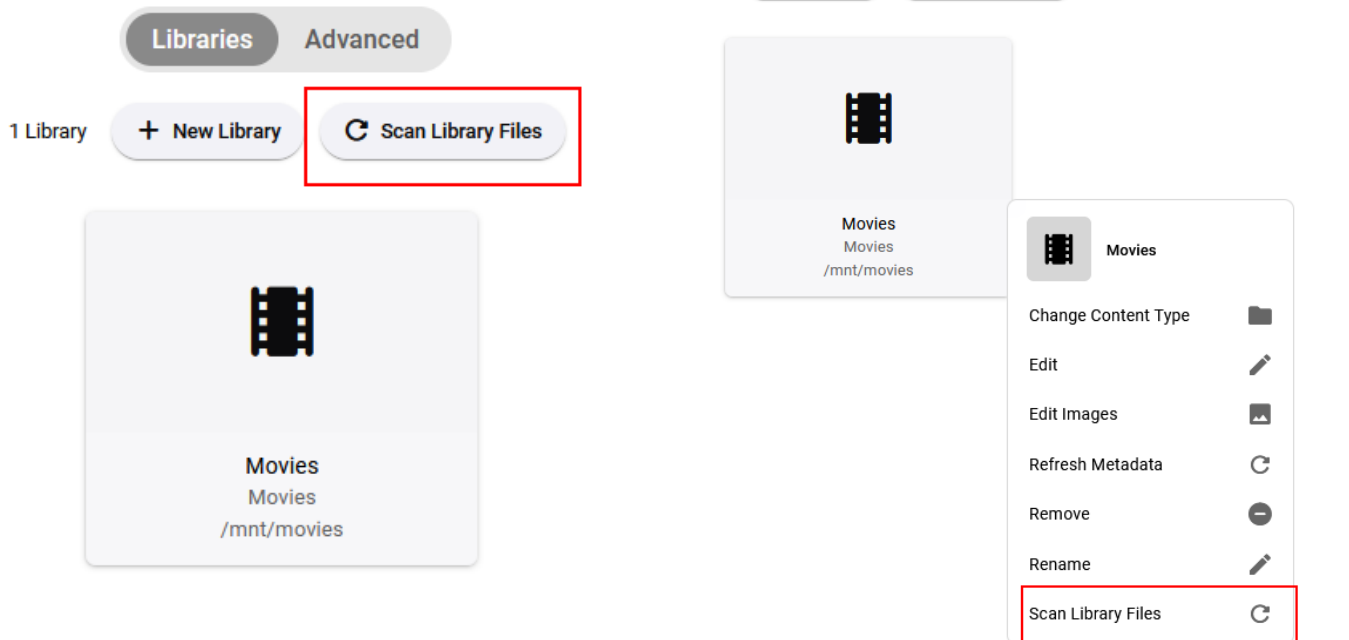
```
wget DOWNLOAD_ITEM_URL
```

**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 Libraries" button or by clicking on the three dots and selecting "Scan Library Files".





# Getting Access Hash (API key)

Emby Family module **WHMCS**

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Dashboard -> API Keys

## Create a new API Key

Network

Transcoding

Database

Conversions

Cinema Intros

Open Subtitles

Webhooks

Devices

Devices

Downloads

Camera Upload

DLNA

Advanced

Logs

Notifications

Plugins

Scheduled Tasks

API Keys

Metadata Manager

← API Keys

Get Emby Premiere

📺 🔍 👤 ⚙️

0 Items

+ New API Key

No items found.

## Whrite an App Name

## ← New API Key

App name

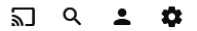
Example: Sickbeard, NzbDrone

Okay

Now you can getting an API key

← API Keys

Get Emby Premiere



1 Item

+ New API Key



4 [REDACTED] 3 - WHMCS module  
09/11/2023, 11:58:00

