



Ezserver v7.1 Tutorial

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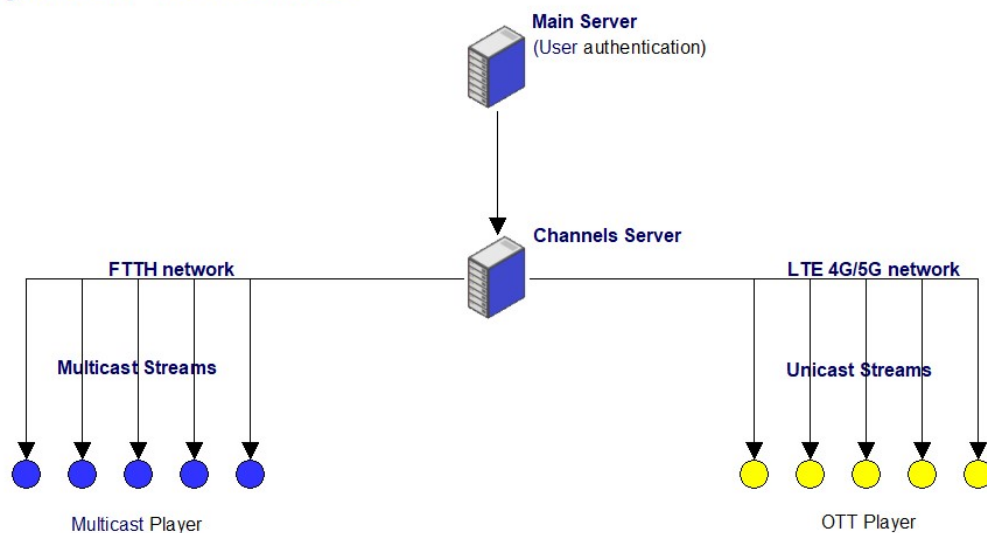


1 Ezserver

Ezserver is a Hybrid IPTV platform that enables you to provide channels by Multicast SPTS/MPTS Streams over FTTH and Unicast over LTE 4G/5G. It efficiently handles both multicast and unicast streams, delivering them as Single Program Transport Streams (SPTS) or Multiple Program Transport Streams (MPTS) to players across the network via multicast distribution. With built-in support for user authentication and channel encryption.

1. **Ezserver** : Act Unicast / Multicast video server
2. **Multicast Player**: Multicast encryption player.
3. **OTT player**: Unicast player

Hybrid IPTV Service



Requirement:

Minimum Server Requirement:

- **Linux:** Ubuntu 20.04(Recommended), Debian, Centos
- **CPU:** 4v Core
- **RAM:** 8GB
- **Storage:** 160 GB
- **Bandwidth:** 1Gbps unmetered

Related Information:

Ezserver Official website:

<http://www.ezhometech.com/>

Ezserver User Guide:

http://www.ezhometech.com/html/ezserver_user_guide.html



1.1 Installation and License activation

Get checkout web page after you buy Ezserver License and contact us for installation password.

Thanks your Ezserver subscription, please refer the below:

Watch Installation Video

Support Linux : Ubuntu 20.04 LTS (Recommended), Ubuntu 16, 18, 20, 24 (22 not support), Debian, CentOS:

Login SSH

1. `sudo -i`
2. `cd /home && wget -O install.sh http://www.ezhometech.com/download/ezserver/install.sh && chmod 777 install.sh`
3. `./install.sh`
4. Installation password: contact sales@ezhometech.com
5. Press Enter Key to use the default value. The Panel Port and the Streaming Port must be different.

After installation finished

1. Login Panel to copy serial number
2. Open one ticket with serial number
3. Wait for license activation

Start Ezserver

1. `cd /home/ezserver_enterprise`
2. `./start.sh`

:

- Download install.sh from the checkout web page.
- `./install.sh` with installation password



1.2 Start / Shutdown

Linux Version: ezserver at /home/ezserver_enterprise folder

- Start with log message:
 - sudo -i
 - cd /home/ezserver_enterprise
 - ./start.sh
- Start without log (show ssh message only):
 - sudo -i
 - cd /home/ezserver_enterprise
 - ./start.sh -n
- Shutdown:
 - sudo -i
 - cd /home/ezserver_enterprise
 - ./shutdown.sh

1.3 Software Update

- sudo -i
- cd /home/ezserver_enterprise
- ./patch.sh
- input password
- ./restart.sh

1.4 User Authorization for Streaming URL

- **Enable `user_authorization` in `ezserver_blockchain/ezserver_config.txt`**
 - `user_authorization=1`: Streaming URL with token or username/password.
 - `user_authorization=0`: Streaming URL without username/password
 - Add username “free” with any password in User List to get content URLs.



1.5 Admin Package / Password

create admin_root package with all option for root user as below:

Package Name	Conn. Limit	Trial (hr.)	Period (days)	Credit Unit	Channels
Add Package x					
Package Name	<input type="text" value="admin_root"/>				
Connections	<input type="text" value="1"/>	Trial (hr.)	<input type="text" value="0"/>		
Period (days)	<input type="text" value="30"/>	Credit Unit	<input type="text" value="1"/>		
CC Source	<input type="text" value="all"/>				
Movie Source	<input checked="" type="checkbox"/> all				
Series Source	<input checked="" type="checkbox"/> all				
<input type="button" value="Add Package"/>			<input type="button" value="Cancel"/>		

Edit User x					
User Name	<input type="text" value="root"/>	Password	<input type="text" value="ez8169"/>		
Package	<input type="text" value="admin_root"/>	Expired Time	<input type="text" value="12/31/3000"/>		
IP	<input type="text"/>	Device Type	<input type="text"/>		
<input type="button" value="Save Changes"/>			<input type="button" value="Cancel"/>		



2. Admin Panel

HTTP Protocol:

Admin Panel Input URL: http://domain:panel_port

Ex. <http://192.168.0.9:18000/>

Reseller Panel URL: http://domain:API_port/reseller/index.htm

Ex. <http://192.168.0.9:17000/reseller/index.htm>

HTTP Ports

Panel	<input type="text" value="18000"/>	API	<input type="text" value="17000"/>
Streaming	<input type="text" value="8000"/>	RTMP	<input type="text" value="0"/>

HTTPS Protocol: (Support Ubuntu 20.04 only)

Admin Panel Input URL: http://domain:https_panel_port

Ex. <http://192.168.0.9:18443/>

Reseller Panel URL: http://domain:https_API_port/reseller/index.htm

Ex. <http://192.168.0.9:17443/reseller/index.htm>

HTTPS Ports

Panel	<input type="text" value="18443"/>	API	<input type="text" value="17443"/>
Streaming	<input type="text" value="8443"/>		



2.1 User Management

Users

Search user... Search 20 All Users

+ Add User Mass Delete Mass Edit All Move

#	User ID	Package	Expired Time	Authentication IP	Device Type	Owner	Action
1	root	admin_root	1/1/3000				
2	t666	1 Year With 1 Connect...	1/1/2029				
3	kkk	1 Year With 2 Connec...	4/19/2026				

Add normal user

New User

User No: 65 User Name: u65

Password: 8vqUulmMrj Rating Password: 8vqUulmMrj

Package: Custom Level: User

Expired Time: 1 month Connection Limit: 1

IP: Device Type:

Add User Cancel

Add trial user

New User

User No: 65 User Name: u65

Password: 8vqUulmMrj Rating Password: 8vqUulmMrj

Package: trial_package2 Level: Trial

Expired Time: 24 hr. Connection Limit: 1

IP: Device Type:

Add User Cancel



2.2 Channel Management

2.2.1 Add new category

1. Click Channels:Category button

#	Channel Name	Source URL
1	TV1_110	http://bitcdn-kronehit.bitmovin.c...
2	TV21	dir://media/videos/Movie
3	,TV1	http://www.imoviecity.com:800...

2. Input Category Name and icon URL / upload a icon, then Click Add Category Button

Channel Categories
Add, Edit, Delete and Move Categories

Categories

- Comedy
- Travel
- Business
- Cultural

↑ Move Up ↓ Move Down

Category Name: Sport

Icon URL: http://...

Upload Icon: Choose File | sports.png

Preview:

+ Add Category Save Changes

Delete Category Reload



2.2.2 Add new channel

1. Click Add Channel button

Main

- Dashboard

User Management

- Users
- Resellers
- Packages
- Connections
- User Agent
- BlackList

Content Management

- Channels**

Channels

Search channels... Search

Category Add Channel

#	Channel Name	Source URL	Icon
1	TV1_110	http://bitcdn-kronehit.bitmovin.c...	
2	TV21	dir://media/videos/Movie	
3	,TV1	http://www.imoviecity.com:800...	

2. Input all fields

Add Channel

Channel No Channel Name

Source URL

Icon URL

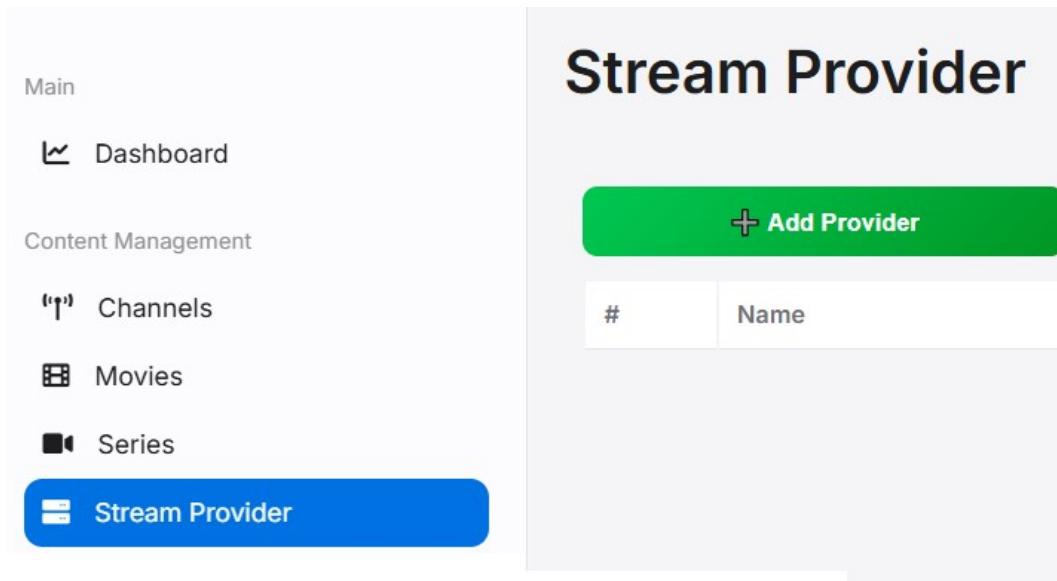
Category Channel Type

Add Channel Cancel



2.2.3 Import channels by m3u link

1. Click Stream Provider: Add Provider



2. Input Name and Provider HTTP URL and Click **Add Provider** button

Add Provider ×

Provider Name

Provider URL

Channel after

Server

Enable Main Server Source Server All LBs

3. Then restart ezserver by `./restart.sh` cmd in ssh console



2.2.4 All SD, HD, FHD channels setting

Click Panel Setting.

1. SD channel (~2Mbps)

Channel

Input Buffer Prebuffer
Video SD HD (0.00) Reconnect

2. HD / FHD channel (above 4Mbps)

Channel

Input Buffer Prebuffer
Video SD HD (0.99) Reconnect

2.2.5 Single SD, HD, FHD channel setting

Click Panel Channel Management: **Edit button** of the channel.

1. SD channel (~2Mbps)

Buffer Size	<input type="text" value="8000"/>	Bitrate Tolerance	<input type="text" value="0"/>
-------------	-----------------------------------	-------------------	--------------------------------

2. HD / FHD channel (above 4Mbps)

Buffer Size	<input type="text" value="20000"/>	Bitrate Tolerance	<input type="text" value="0.99"/>
-------------	------------------------------------	-------------------	-----------------------------------

2.2.6 Daily Refresh Channel

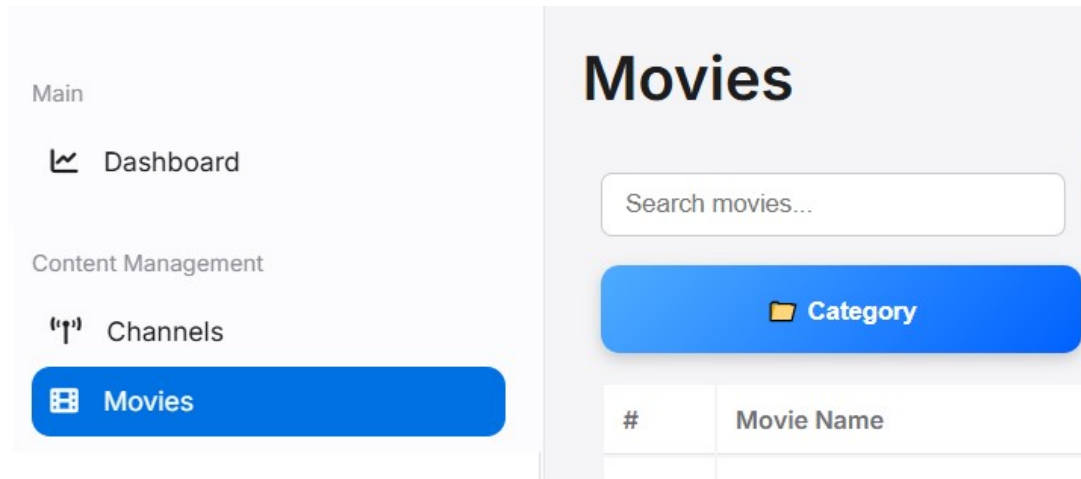
- Add channel_refreh=1 in **ezserver_enterprise/ezserver_config.txt**.
- Run **./restart.sh** to restart ezserver
- Ezserver will refresh all channels at 00:00 AM per day.



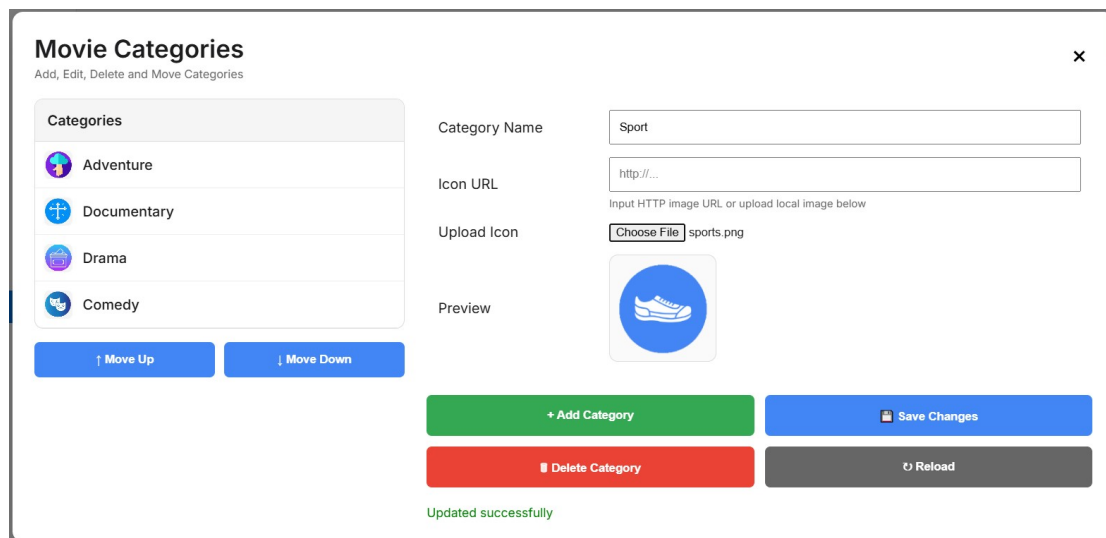
2.3 Movie Management

2.3.1 Add new category

1. Click Movies:Category button



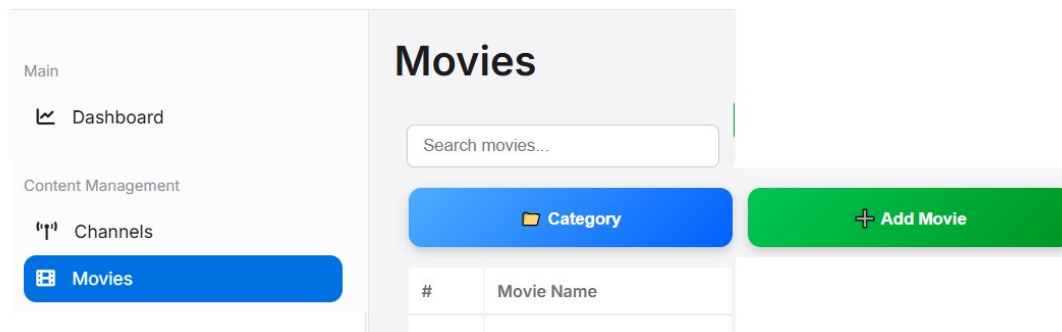
2. Input Category Name and icon URL / upload a icon, then Click Add Category Button





2.3.2 Add new Movie

1. Click Add Movie button



2. Input all fields

Add Movie ×

Movie No	<input type="text" value="10"/>	Movie Name	<input type="text" value="MOVIE10"/>
Source URL	<input type="text" value="/home/movie1/War II/2.mp4"/>		
Icon URL	<input type="text" value="https://image.tmdb.org/t/p/w300_and_h450_bestv2/7yR2BMksskCgw87Ts04dL2p0pIn.jpg"/>		
Category	<input type="text" value="Adventure"/>		
Description	<input type="text" value="Movie Description"/>		



2.3.3 Import movies by m3u link

1. Click Stream Provider: Add Provider

Main

- Dashboard

Content Management

- Channels
- Movies
- Series

Stream Provider

Stream Provider

+ Add Provider

#	Name
---	------

2. Input Name and Provider HTTP URL and Click **Add Provider** button

Add Provider

Provider Name: provider1

Provider URL: http://www.imoviecity.com:9000/getlink?username=root&password=1234&type=m3u

Channel after: 2

Server: Main Server

Enable: Main Server Source Server All LBs

Add Provider **Cancel**



2.3.4 Import movies by work folder

1. Click Work Folder: Add WorkFolder

#	Type	Server	Directory
1	Movie	Main Server	/home/movie
2	Series	Main Server	/home/series

2. Select Movie Option and input path and Click **Add WorkFolder** button

Add WorkFolder [Close]

Server Name: Main Server

Folder Type: Movie

Directory: /home/movie

Enabled: Active

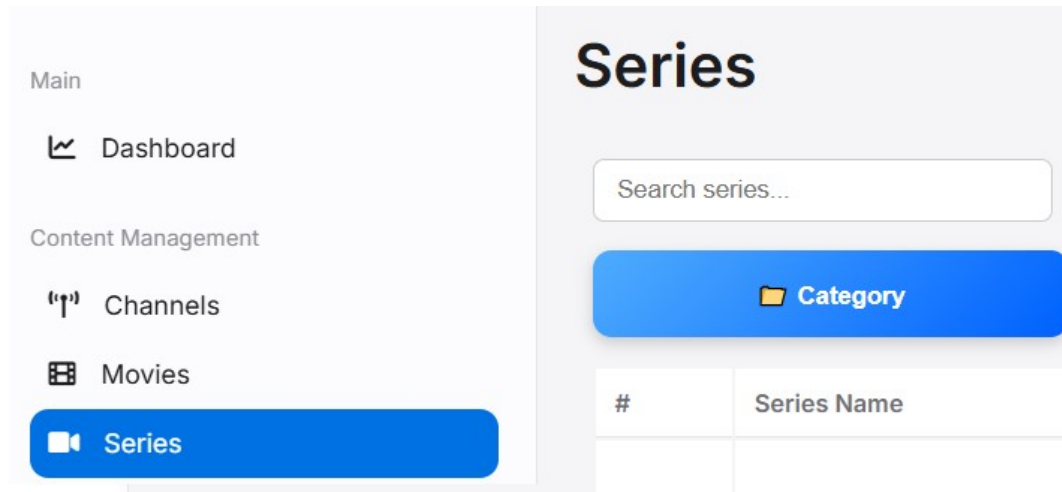
[Add WorkFolder] [Cancel]



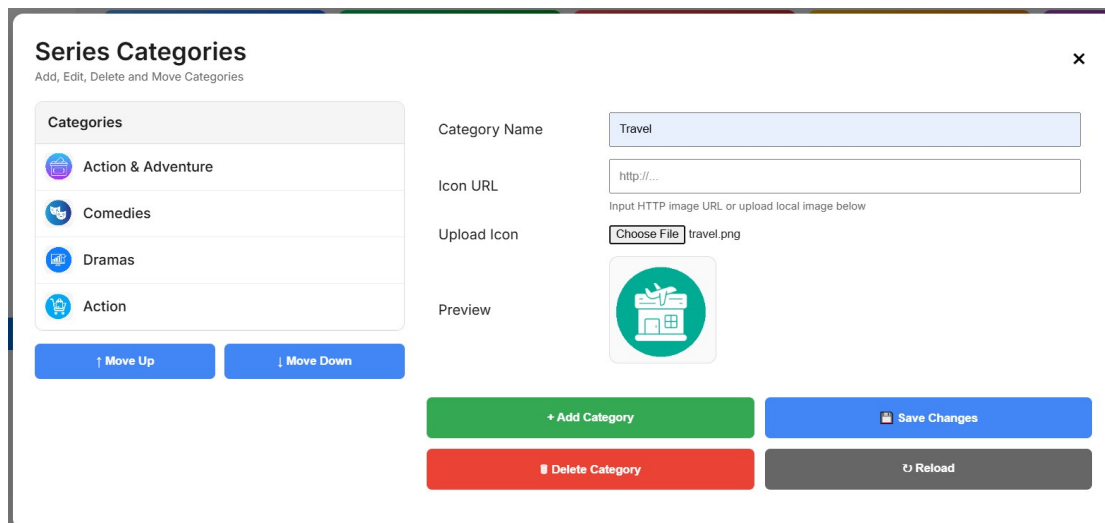
2.4 Series Management

2.4.1 Add new category

1. Click Series:Category button



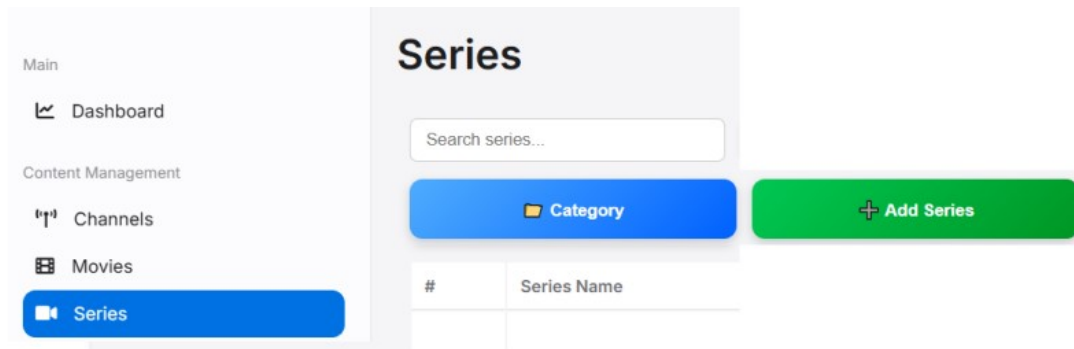
2. Input Category Name and icon URL / upload a icon, then Click Add Category Button





2.4.2 Add new Series

1. Click Add Series button



2. Input all fields

Add Series

Series Name:

Category: Server:

Image URL:

Season No: Release Date:

Rating:

Children:

Genres: Children

Description:



2.4.3 Import Series by m3u link

1. Click Stream Provider: Add Provider

Main

- Dashboard

Content Management

- Channels
- Movies
- Series

Stream Provider

Stream Provider

+ Add Provider

#	Name	Action
---	------	--------

2. Input Name and Provider HTTP URL and Click **Add Provider** button

Add Provider

Provider Name: provider1

Provider URL: http://www.imoviecity.com:9000/getlink?username=root&password=1234&type=m3u

Channel after: 2

Server: Main Server

Enable: Main Server Source Server All LBs

Add Provider Cancel



2.4.4 Import series by work folder

1. Click Work Folder: Add WorkFolder

WorkFolder

[+ Add WorkFolder](#)

#	Type	Server	Directory
1	Movie	Main Server	/home/movie
2	Series	Main Server	/home/series

First Prev 1

2. Select Series Option and input path and Click **Add WorkFolder** button

Add WorkFolder ×

Server Name:

Folder Type:

Directory:

Enabled: Active

[Add WorkFolder](#) [Cancel](#)



2.5 EPG Management

There are 2 ways to add EPG to Ezserver, one is from XMLTV URL, and the other is from UDP Stream.

2.5.1 XMLTV URL

1. Click XMLTV URLs: Add XMLTV

The screenshot shows the Ezserver interface. On the left, there is a sidebar with navigation options: Main (Dashboard), Content Management (Channels, Movies, Series, Stream Provider, Work Folder), and XMLTV URLs. The main content area is titled 'XMLTV URLs' and features a green '+ Add XMLTV' button and a table with columns '#', 'Name', and 'XML'.

2. Input all fields

The 'Add XMLTV' dialog box contains the following fields and options:

- XMLTV Name: XMLTV1
- XMLTV URL: http://www.imoviecity.com:8000/getxmltv?username=root&password=1234&type=m3u
- Enable: Active

Buttons: Add XMLTV, Cancel



2.5.2 UDP Stream

Add channels by multicast URL as below and enable MPEG EPG Extraction option

<input type="checkbox"/>	Channel Name ▲▼	Media Source	
<input type="checkbox"/>	1 Euronews	udp://239.0.0.4:1234	[
<input type="checkbox"/>	2 Eurosport	udp://239.0.0.5:1234	[
<input type="checkbox"/>	3 HSE24 Extra	udp://239.0.0.6:1234	[
<input type="checkbox"/>	4 Kabel 1	udp://239.0.0.8:1234	[

Channel Streaming Prebuffer No.	<input type="text" value="2000"/>	?
Channel Reconnection Interval	<input type="text" value="6"/>	?
MPEG EPG Extraction	<input checked="" type="checkbox"/>	?

Pagination Limit Number	<input type="text" value="100"/>	?
Admin. System Log Lines	<input type="text" value="1000"/>	?

2.5.3



2.6 Reseller Management

1. Click Reseller URLs: Add Reseller

2. Input all fields

Username	<input type="text" value="reseller1"/>	Password	<input "="" type="text" value="1aaa234567@"/>
Package	<input type="text" value="basic"/>	Level	<input type="text" value="Reseller"/>
Total Credit	<input type="text" value="10000"/>	Expired Time	<input type="text" value="12/31/9999"/>
Email	<input type="text" value="reseller1@gmail.com"/>	Auto Renew	<input type="text" value="OFF"/>



2.7 Load Balancer

1. Click Load Balancers: Add Balancer

#	Status	Server Name	IP
1	●	imoviecity	192.168.137.10
2	●	imoviecity2	www.imoviecity.co

2. Input all fields

Add Balancer ×

Server Name:

Server IP:

Panel Port:

Username:

Password:

Country:



Panel port is **http_apps_port** (default: 17000) of balancer ezserver_config.txt.

SSH test Steps:

1. Login main ssh
2. wget http://bl_IP: http_apps_port/admin/index.htm
3. If above works, you can check balancer status in main panel.
4. **If not work**, login balancer ssh and run the below command to open ports.
 - **iptables -F**
5. Login lb ssh
6. wget http://bl_IP: http_apps_port/admin/index.htm
7. If above works, you can check balancer status in main panel.
8. **If not work**, login balancer ssh and run the below command to open ports.
 - **iptables -F**



3 Reseller Panel

Reseller Panel URL: <http://domain:port/reseller/index.htm> in Chrome

Reseller Package Options

A reseller has two options for adding user packages:

- **Default Mode:**
By default, a reseller can add only his or her own packages to users.
- **Multiple Package Mode:**
To allow a reseller to add all available packages (not just their own), set `reseller_multiple_packages=1` in `ezserver_config.txt`:

- **Super reseller** can create, modify and delete Resellers and users

<input type="checkbox"/>	User Name	Password	Group
<input type="checkbox"/> 1	e1	1304693446	basic
<input type="checkbox"/> 2	e2	1304693446	basic
<input type="checkbox"/> 3	e3	1304693446	basic
<input type="checkbox"/> 4	e4	1304693446	basic

- **Reseller** can create, modify and delete users only.

<input type="checkbox"/>	User Name	Password	Gr
<input type="checkbox"/> 1	rt51	9091880686	basic
<input type="checkbox"/> 2	rt52	9091880686	basic
<input type="checkbox"/> 3	rt53	9091880686	basic



4 HTML5 Player

- Add Access-Control-Allow-Origin=* into ezserver_config.txt
- Enable Channel HLS option

TV1

On Demand	<input type="checkbox"/>	HLS	<input checked="" type="checkbox"/>
Channel SID	<input type="text"/>	EPG Channel ID	<input type="text" value="TV1"/>
User Agent	<input type="text" value="Ezhometech(Ezserver)"/>	Bitrate Tolerance	<input type="text" value="0"/>
Catch Up Days	<input type="text" value="0"/>	Proxy Mode	<input type="text" value="0"/>
Input Adapter	<input type="text" value="127.0.0.1"/>		
2nd URL	<input type="text"/>		
3rd URL	<input type="text"/>		

- Refer the below HTML codes

```
<!-- CSS -->
<link href="https://vjs.zencdn.net/7.2.3/video-js.css" rel="stylesheet" >
<!-- HTML -->
<video id='hls-example' class="video-js vjs-default-skin" width="400" height="300" controls>
<source type="application/x-mpegURL" src="http://192.168.0.10:8000/TV1.m3u8?u=robert;p=1234" >
</video>
<!-- JS code -->
<!-- If you'd like to support IE8 (for Video.js versions prior to v7) -->
<script src="https://vjs.zencdn.net/ie8/ie8-version/videojs-ie8.min.js" ></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/videojs-contrib-hls/5.14.1/videojs-contrib-hls.js" ></script>
<script src="https://vjs.zencdn.net/7.2.3/video.js" ></script>
<script>
var player = videojs('hls-example');
player.play();
</script>
```



5 M3U / M3U8 output URL for Players

5.1 M3U List API

1. Click User: Down Arrow button

#	User ID	Package	Expired Time	Authentication IP	Device Type	Owner	Action
1	root	admin_root	1/1/3000				
2	t666	1 Year With 1 Connect...	1/1/2029				
3	kkk	1 Year With 2 Connec...	4/19/2026				

2. Select m3u(API) and click Generate Link

Download Playlist

Channel List

m3u(API)

Generate Link

Close



5.2 M3U8 List API

1. Click Channels: Setting button

The screenshot shows a web interface for managing channels. On the left, a sidebar has a 'Channels' button highlighted in blue. The main content area is titled 'Channels' and includes two dropdown menus at the top (one with '20' and another with 'All Channels'). Below these is a purple 'Move' button. A table with two columns, 'Bitrate' and 'Action', is displayed. The first row shows a bitrate of '0' and two icons: a pencil and a gear. The gear icon is enclosed in a red rectangular box. A second row is partially visible below it, also showing a bitrate of '0' and the same two icons.

2. Enable HLS option of one channel

TV1

Advanced Channel Settings

HLS (m3u8 Output)	<input checked="" type="checkbox"/>	AES Encryption (m3u8 O
Channel SID	<input type="text"/>	EPG Channel ID
Buffer Size	<input type="text" value="8000"/>	Bitrate Tolerance
Catch Up Days	<input type="text" value="0"/>	Server



3. Enable HLS option of multiple channels

Mass Edit Channels

Start Position	<input type="text" value="1"/>
HLS (m3u8 Output)	<input checked="" type="checkbox"/>
Input Adapter	<input type="text" value="127.0.0.1"/>
Buffer Size	<input type="text" value="8000"/>
Catch Up Days	<input type="text" value="0"/>

Save Changes

4. Select m3u8(API) and click Generate Link

Download Playlist

<input type="text" value="Channel List"/>
<input type="text" value="m3u8(API)"/>
Generate Link
Close



6 PHP Script Integration

Support php script into **ezserver_enterprise/php** folder. It lets you code php scripts for integration with Ezserver.

- sudo apt update
- sudo apt install php
- test PHP
 - ✧ php -v
- upload .php files into **ezserver_enterprise/php** folder



7 Multicast Setting

Click Setting:

- **Set Multicast output IP and Port**

The screenshot shows a web interface with a sidebar on the left and a main content area. The sidebar has a 'Main' section with 'Dashboard' and a 'System' section with 'Load Balancers' and 'Settings' (highlighted in blue). The main content area is titled 'Settings' and has a 'Multicast' section. Under 'Multicast', there are two input fields: 'Output IP' with the value '225.1.1.1' and 'Output Port' with the value '9001'.

Encryption Setting:

- Defined at **hls_multicast_aes** of ezserver_config.txt
 - **hls_multicast_aes=0** (No encryption)
 - **hls_multicast_aes=1** (low encryption)
 - **hls_multicast_aes =2** (high encryption)



8 EzPlayer

It is a **multicast / unicast encryption player** for android STB devices. That explores services and plays channels, movies and series from Ezserver.

Features:

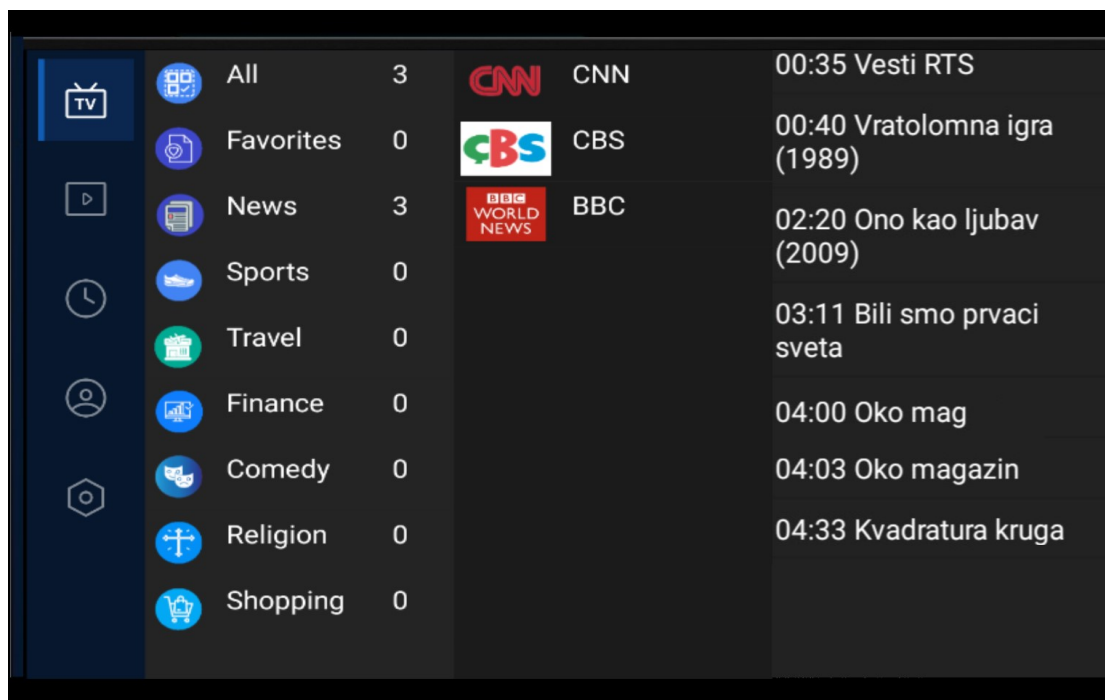
- **Support Multicast AES Encrypted Channels**
- **Support OTT AES Encrypted Channels**
- **Add Service by Domain URL**
- **TV, Movie and Series**
- **Support YouTube Channel Links**
- **EPG and Catch up TV**
- **Parent Control of adult content**
- **Support TMBD for Movie and Series**
- **Channel Video Format: MPEG2/H264 Transport Stream**
- **Channel Audio Format: MP3/AAC, ADTS Stream**
- **Movie Format: MP4, MKV**

Hardware Requirement:

- **Min. Requirement:** Above 1.0GHz, 1GB RAM, 802.11 a/b/g/n.

Software Requirement:

- Android 5.0+



Categories

Channels

EPG



9 Work Folder

Assign Balancer movie and series folder path in Main server Panel.

- Add balancers in main server first
- Refresh movies and series per hour or manually

Create Movie Folder

Add WorkFolder [Close]

Server Name: Main Server

Folder Type: Movie

Directory: /home/movie

Enabled: Active

[Add WorkFolder] [Cancel]

- Add new folder (/home/media) in Balancers
- Upload mp4 files into /home/media as below syntax

Folder name for movie name to get its TMDb profile

📁 Hider In My House (2023) [imdb-tt16531670]

Upload one film into the folder

📁 Hider.In.My.House.2023.1080p.WEB-DL.EAC3.2.0.h264-Kitsune.mkv

📁 Welcome to Valentine (2023) [imdb-tt25391092]

📁 Welcome.to.Valentine.2023.PCOK.1080p.WEB-DL.EAC3.5.1.x264-NTb.mkv

📁 Monster Hunter (2020)

📁 Luckless in Love (2023) [imdb-tt21212308]

📁 Hider In My House (2022) [imdb-tt16531670]

- System automatically refreshes hourly movie work folder



Create Series Folder

Add WorkFolder ×

Server Name

Folder Type

Directory

Enabled Active

- Add new folder (/home/series) in Content Node
- Upload mp4 files into /home/series as below syntax
 - Series folder
 - Season folder
 - ✧ filename with =xxx

```
root@u20:/home/series# ls
'112 Reasons Why'  25  MEATEATER  'ROMAN EMPIRE'  'THE KOMISKY METHOD'
root@u20:/home/series# cd MEATEATER/
root@u20:/home/series/MEATEATER# ls
'Season 01'  'Season 02'  'Season 03'
root@u20:/home/series/MEATEATER# cd Season\ 01
root@u20:/home/series/MEATEATER/Season 01# ls
MEATEATER.S01E01.Pilot.1080p.mp4  MEATEATER.S01E02.Pilot.1080p.mp4
```

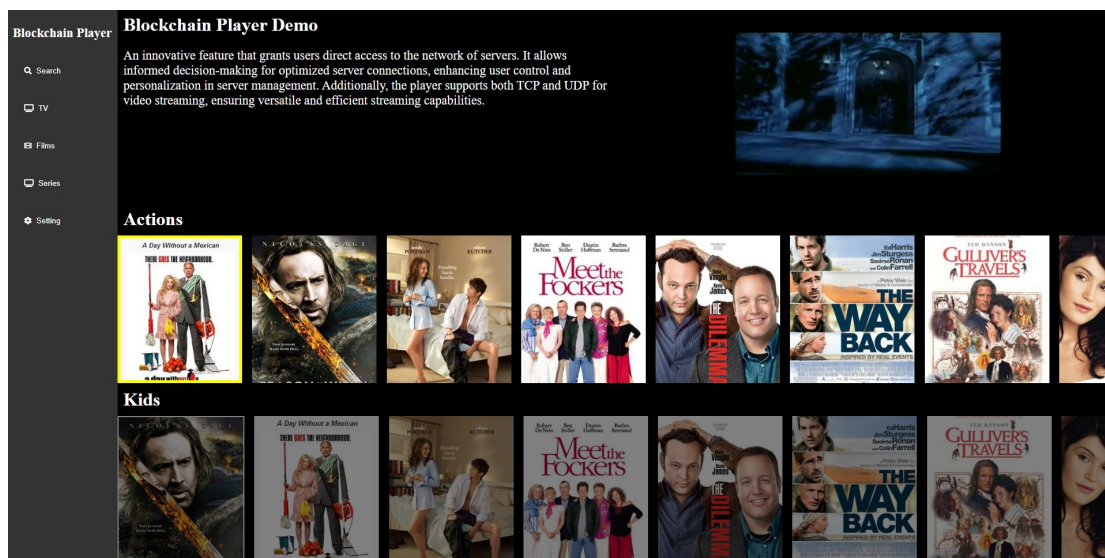
- ezserver automatically refreshes hourly series work folder



10 Web Player

It grants users access to live TV channels, on-demand video content, and additional features like electronic program guides. It is designed to seamlessly support various protocols and technologies, including HLS, HTTP, and HTTPS, ensuring smooth content streaming across a wide array of devices and platforms. Currently compatible with Google Chrome, Microsoft Edge, Apple Safari, FireFox, Android STB / Smarter TV and LG Smarter TV, it offers a flexible and user-friendly experience for diverse viewing preferences.

Main Menu



For Android STB, Smarter TV, and LG Smarter TV, users are required to install the Web Player on these devices to access the full range of features and enjoy seamless IPTV streaming.

Middleware URL: http://domain:panel_port/w/

Ex. <http://192.168.0.9:18000/w/>

Note: For Internet Browser use: **Need to enable Channel HLS option**

TV1			
On Demand	<input type="checkbox"/>	HLS	<input checked="" type="checkbox"/>
Channel SID	<input type="text"/>	EPG Channel ID	<input type="text" value="TV1"/>
User Agent	<input type="text" value="EzhomeTech(Ezserver)"/>	Bitrate Tolerance	<input type="text" value="0"/>
Catch Up Days	<input type="text" value="0"/>	Proxy Mode	<input type="text" value="0"/>
Input Adapter	<input type="text" value="127.0.0.1"/>		
2nd URL	<input type="text"/>		
3rd URL	<input type="text"/>		



11 User Subscription Portal

Let user buy subscription packages via QRCode with Cryptocurrency or PayPal Gateways.

- Sign Up for 24-Hour Trial:
 - ✧ Get instant access with a 24-hour trial.
 - ✧ Experience our full features and services risk-free.
 - ✧ Sign Up for Trial
- Buy Subscription via Crypto and PayPal QR Code:
 - ✧ Secure and fast payment with cryptocurrency.
 - ✧ Scan the QR code to complete your purchase.
 - ✧ Enjoy uninterrupted service and premium features.

Buy Subscription

- Support Admin - Upload Crypto and PayPal QR Code:
 - ✧ Seamlessly manage your subscribers.
 - ✧ Upload and manage QR codes for easy payments.
 - ✧ Ensure a smooth transaction process for your users.
 - ✧ Upload QR Code

The screenshot shows the 'Ezserver User Management' dashboard. At the top, there are navigation tabs for Dashboard, Subscription, App Setting, and Account. Below the navigation, there are three summary cards: 'max Connections' with a value of 1, 'Online Connections' with a value of 0, and 'Expired Time' set to 07/19/2025. The main content area is titled 'MSU API List' and contains a list of API endpoints with checkboxes:

- Channel MSU API: http://192.168.0.3:8000/getlink?username=test&password=1234&type=m3u
- Channel HLS API: http://192.168.0.3:8000/getlink?username=test&password=1234&type=hls
- Movie MSU API: http://192.168.0.3:8000/getlink?username=test&password=1234&type=m3u&content=movie
- Series MSU API: http://192.168.0.3:8000/getlink?username=test&password=1234&type=m3u&content=series
- Content MSU API (channels, movies and series): http://192.168.0.3:8000/getlink?username=test&password=1234&type=m3u&content=all
- XMLTV EPG API: http://192.168.0.3:8000/getxmltv?username=test&password=1234

The screenshot shows the 'Ezserver User Management' dashboard for a user named 'test'. It features a table with subscription packages. The table has columns for 'My Packages', 'Total Days', 'Expire Date', 'System Packages', 'Price', and 'QR Code'. The 'QR Code' column contains 'Order' buttons.

My Packages	Total Days	Expire Date	System Packages	Price	QR Code
golden	332	07/19/2025	basic	5	<button>Order</button>
			sliver	5	<button>Order</button>
			golden	5	<button>Order</button>
			12 Minths EU	79	<button>Order</button>



12 Auto Backup XML Database

Ezserver uses XML format to store user, bouquet and content data.

- **User, Bouquet and Content XML files**
 - ✧ users/user_profile.xml.
 - ✧ ch_config/group_definition.xml
 - ✧ channel_definition.xml
 - ✧ movie_definition.xml
 - ✧ series_definition.xml
- **User, Bouquet and Content XML Auto Backup files**
 - ✧ users/user_profile_backup.xml.
 - ✧ ch_config/group_definition_backup.xml.
 - ✧ channel_definition_backup.xml
 - ✧ movie_definition_backup.xml
 - ✧ series_definition_backup.xml.

13 Manual Backup XML Database

Ezserver uses XML format to store user, bouquet and content data.

- **Backup**
 - ✧ cd /home/ezserver_blockchain
 - ✧ ./shutdown.sh
 - ✧ **./backup_setting.sh**
 - ✧ ls -al ezserver_backup_setting.tar
 - ✧ download ezserver_backup_setting.tar to local PC.
- **Restore**
 - ✧ upload ezserver_backup_setting.tar to /home/ezserver_blockchain folder
 - ✧ cd /home/ezserver_blockchain
 - ✧ ./shutdown.sh
 - ✧ **./restore_setting.sh**
 - ✧ ./start.sh



14 Add Balancer

1. Click Load Balancers: Add Balancer by IP or Domain Name

#	Status	Server Name	IP
1	●	imoviecity	192.168.137.10
2	●	imoviecity2	www.imoviecity.co

1. Input the below fields with **IP** and click Add Balancer

Add Balancer [Close]

Server Name:

Server IP:

Panel Port:

Username:

Password:

Country:

Or Input the below fields with **Domain Name** with country selected and click Add balancer



Add Balancer ×

Server Name	<input type="text" value="USA balancer"/>
Server IP	<input type="text" value="www.imoviecity.com"/>
Panel Port	<input type="text" value="17000"/>
Username	<input type="text" value="root"/>
Password	<input type="password" value="...."/>
Country	<input type="text" value="Taiwan"/>

Country: N/A for all users; Country: Taiwan for users from Taiwan.



15 Install Ezserver in Balancers

- Download install.sh from the checkout web page.
- ./install.sh with installation password
- Set same password as main server
- Set same panel port as main server
- Set same streaming port as main server
- ./start.sh
- **Balancers do not need serial number for activation**



16 Balancer Channel Selection

Login Main Panel to set channels for balancers as below:

#	Channel Name	Source URL
1	TV1_110	http://bitcdn-kronehit.bitmovin.c...
2	TV21	dir://media/videos/Movie
3	,TV1	http://www.imoviecity.com:800...

- ✧ Click Mass Edit menu
- ✧ Select Servers

Server

Drag balancers left/right to change priority sequence

Main Server Source Server All LBs

imoviecity imoviecity2

- **Restart All balancers via ssh (./start.sh) to get channels from main server.**



17 Balancer Selection

When a channel is assigned to multiple balancers, the Main Server automatically selects the balancer with the **highest available capacity**.

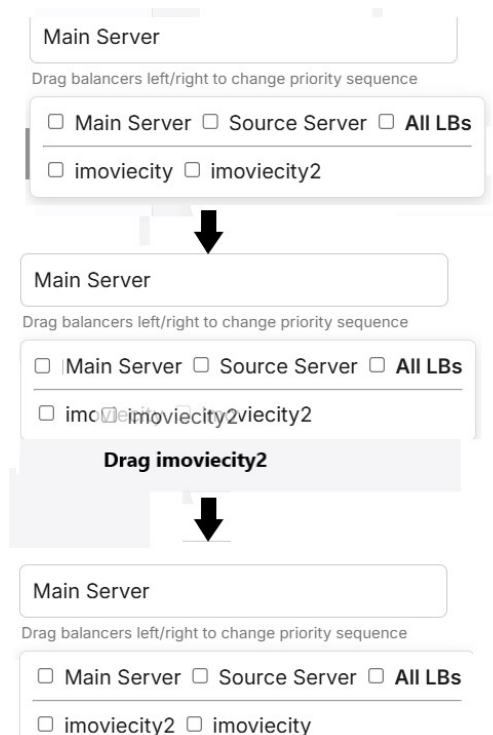
Example:

- Balancer 1: limit 3000 connections, currently 1000 online (2000 available)
- Balancer 2: limit 3000 connections, currently 2000 online (1000 available)

In this case, the Main Server will select **Balancer 1** for new connections, as it has more available capacity.

If **bl_sequence=1** is enabled in ezserver_config.txt, the selection behavior changes:

- Drag the BL Name to a new position (see example below), and then select them.



- The Main Server will always select the **first balancer in the list**
- If the first balancer is unavailable, it will automatically switch to the **next balancer**



This allows you to choose between:

- **Load balancing mode** (automatic capacity-based selection)
- **Priority/failover mode** (fixed order with backup switching)