



Ezserver v7.x Tutorial

Revision: 09/23/26



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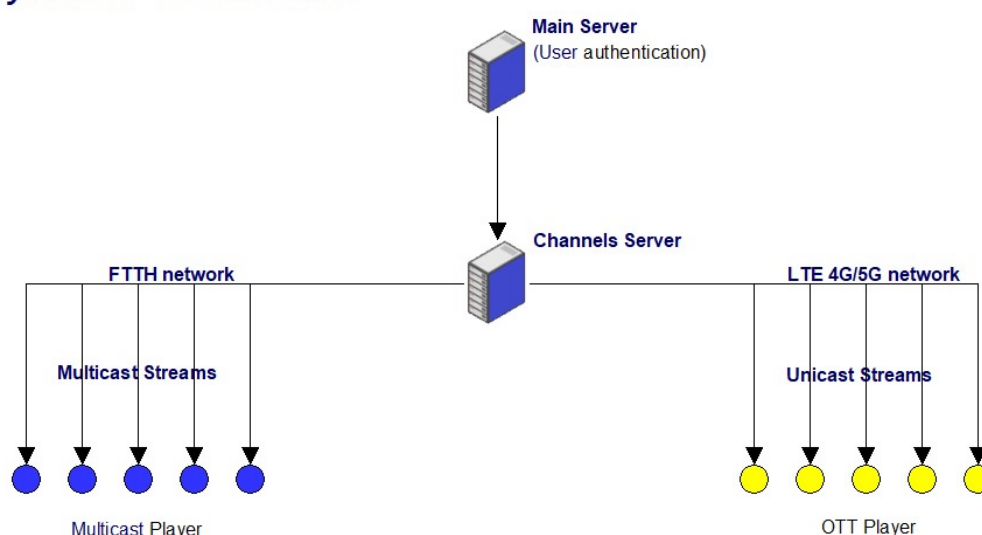


1 Ezserver

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/>

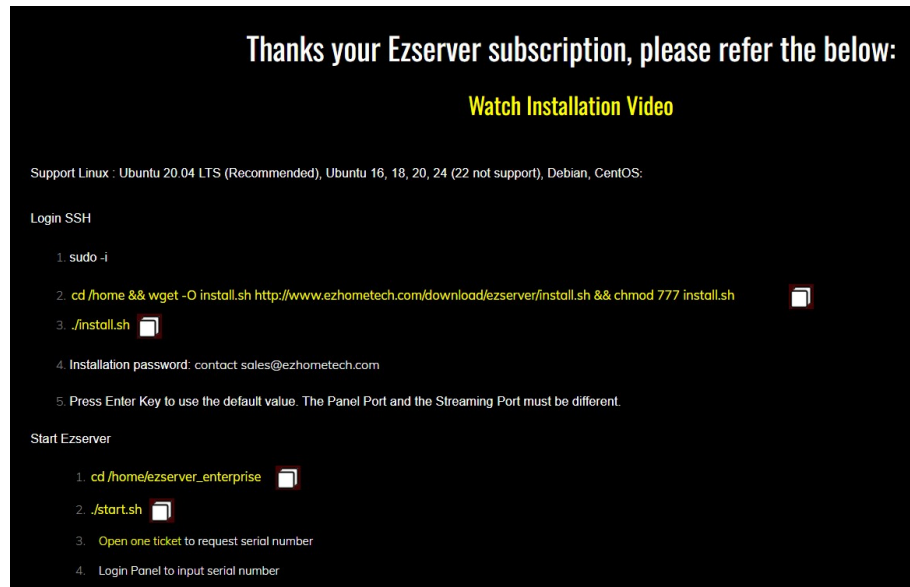
Ezserver User Guide:

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.



:

- Download install.sh from the checkout web page.
- ./install.sh with installation password
- visit <https://www.ezhometech.com/ticket/> to sign up your email or login in order to get Ezserver serial for license activation



Ezhometech Resource & Support System

Email:

Password:

[Forgot Password?](#)

Login

Sign Up

New User



- Click License to get serial

The screenshot shows the Ezhometech Admin Panel. On the left is a dark sidebar with navigation links: 'Free Trial', 'Premium Support', 'License' (highlighted with a yellow box), 'Profile', and 'Logout'. The main content area has a green '+ Create New Ticket' button. Below it is the 'Licenses (1 licenses)' section, showing 'Page 1 of 1 (Total 1)' with '< Prev' and 'Next >' buttons. A table lists the licenses:

ID	Serial
24	EZT-1234-1234-1234

A mouse cursor is pointing at the serial number 'EZT-1234-1234-1234'.

- Login Panel

The screenshot shows the 'Ezserver Admin Panel' login interface. It features a white login box with the following elements:

- Header: 'Ezserver Admin Panel'
- Username field: Contains the text 'root'.
- Password field: Contains masked characters '.....'.
- 'Show Password' toggle: A switch currently turned off.
- 'Sign In' button: A blue button with a key icon.
- Footer: 'Ezhometech Inc.'



- Input serial and your email



Ezserver License Activation

Enter your Ezserver Serial Number and Email Address.

Serial Number

Ezserver Ticket Email

☒ **Activate License**

Cancel

Ezhometech Inc.



1.2 Start / Shutdown

Linux Version: ezserver at /home/ezserver_enterprise folder

- AutoStart Setup During Ezserver Installation
 - ✧ If AutoStart is enabled:
 - Ezserver will start automatically whenever the server boots.
 - No manual startup command is required.
 - ✧ If AutoStart is disabled:
 - Start Ezserver manually using the following commands:
 1. `sudo -i`
 2. `cd /home/ezserver_enterprise`
 3. `./start.sh`
- Shutdown:
 - ✧ `sudo -i`
 - ✧ `cd /home/ezserver_enterprise`
 - ✧ `./shutdown.sh`

1.3 Software Update

- `sudo -i`
- `cd /home/ezserver_enterprise`
- `./patch.sh`
- input password
- `./shutdown.sh`
- `./start.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

×

Package Name

admin_root

Connections

1

Trial (hr.)

0

Period (days)

30

Credit Unit

1

CC Source

all

Movie Source

☒ all

Series Source

☒ all

Add Package

Cancel

Edit User

×

User Name

root

Password

ez8169

Package

admin_root

Expired Time

12/31/3000

IP

Device Type

Save Changes

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	18000	API	17000
Streaming	8000	RTMP	0

HTTPS Protocol: (Support Ubuntu 20.04 only)

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

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

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

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

HTTPS Ports

Panel	18443	API	17443
Streaming	8443		



2.1 User Management

main

Dashboard

User Management

Users

Resellers

Packages

Connections

User Agent

BlackList

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

Category Name: Sport

Icon URL: http://...

Upload Icon: Choose File | sports.png

Preview:

Buttons: + 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

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

4

Channel Name

TV4

Source URL

http://bitcdn.bitmovin.com/v2/hls/chunklist_b312800111

Icon URL

https://upload.wikimedia.org/wikipedia/commons/thumb/8/85/Canal_de_las_Estrellas_logo.svg/1200px-Canal_de_las_Estrellas_logo.svg

Category

Travel

Channel Type

Live

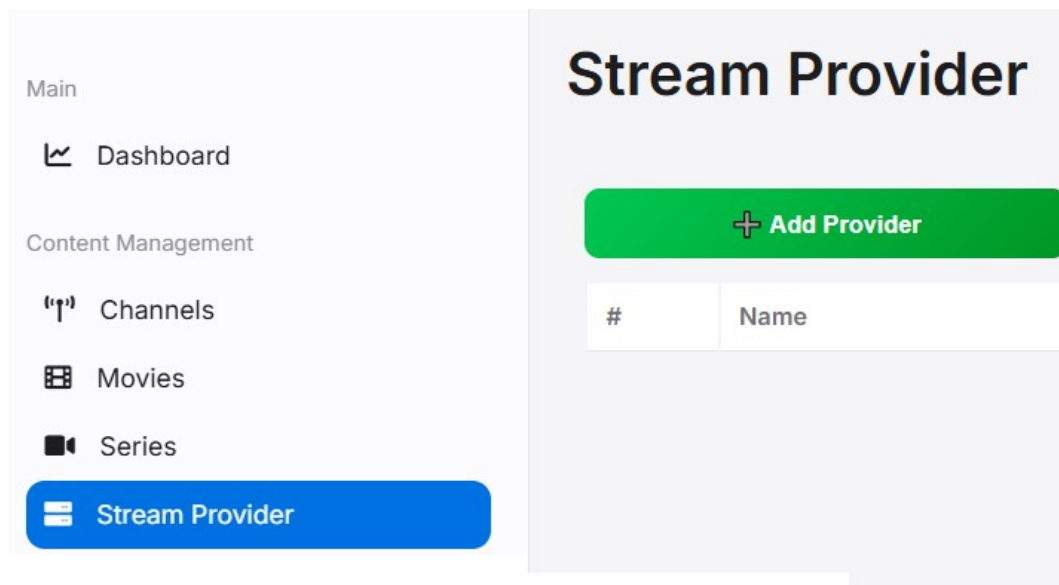
Add Channel

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

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	8000	Prebuffer	2000
Video SD	<input type="range" value="0.00"/>	Reconnect	<input type="range" value="60 sec"/>

2. HD / FHD channel (above 4Mbps)

Channel

Input Buffer	8000	Prebuffer	2000
Video SD	<input type="range" value="0.99"/>	Reconnect	<input type="range" value="60 sec"/>

2.2.5 Single SD, HD, FHD channel setting

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

1. SD channel (~2Mbps)

Buffer Size	8000	Bitrate Tolerance	0
-------------	-----------------------------------	-------------------	--------------------------------

2. HD / FHD channel (above 4Mbps)

Buffer Size	20000	Bitrate Tolerance	0.99
-------------	------------------------------------	-------------------	-----------------------------------

2.2.6 Daily Refresh Channel

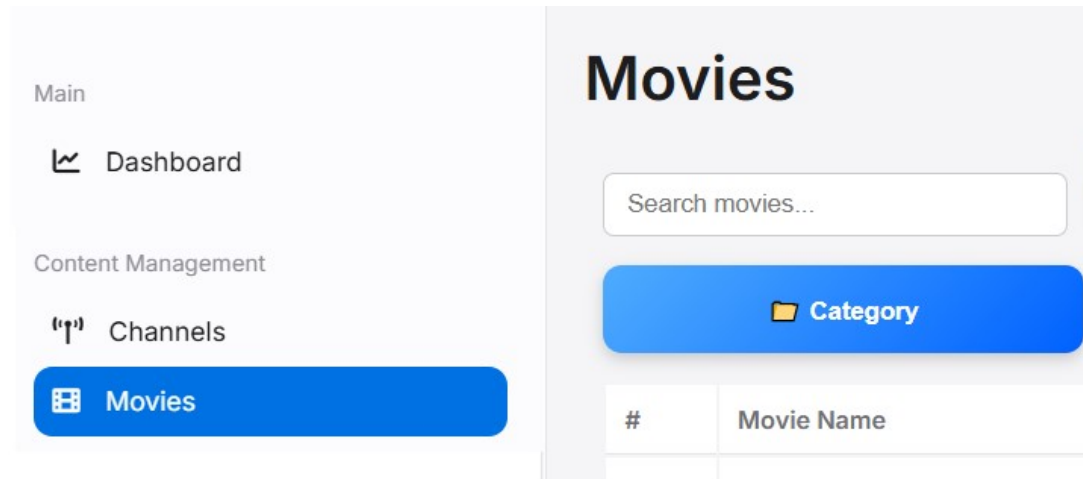
- Add channel_refreh=1 in **ezserver_enterprise/ezserver_config.txt**.
- Run **./restart.sh** to restart ezserver
- Ezserver will refresh all channels at 00:00 AM per day.



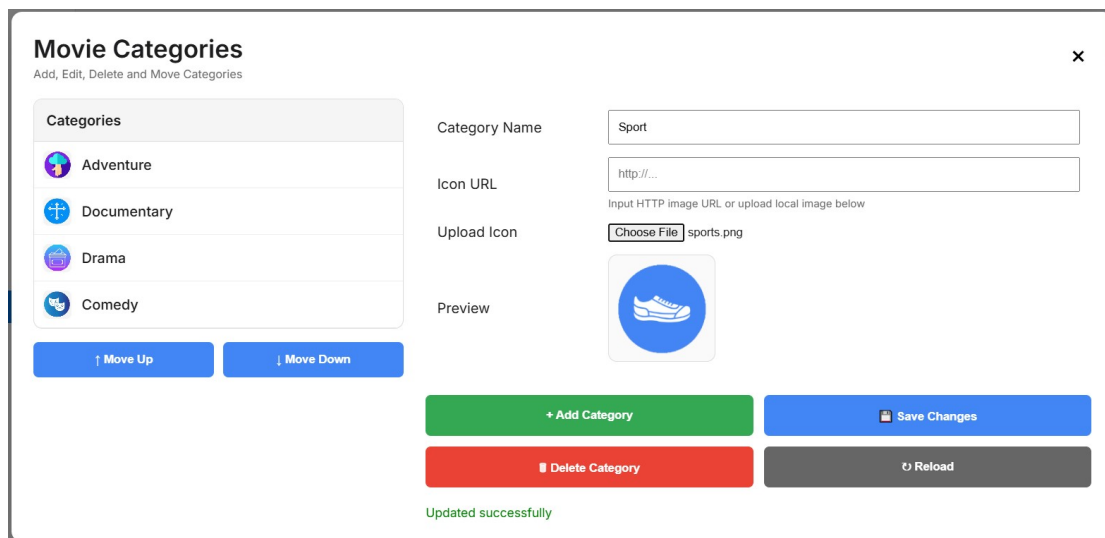
2.3 Movie Management

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

Main

- Dashboard

Content Management

- Channels
- Movies**

Movies

Search movies...

Category

+ Add Movie

#	Movie Name

2. Input all fields

Add Movie

Movie No: 10

Movie Name: MOVIE10

Source URL: /home/movie1/War II/2.mp4

Icon URL: https://image.tmdb.org/t/p/w300_and_h450_bestv2/7yR2BMksskCgw87Ts04dL2p0pIn.jpg

Category: Adventure

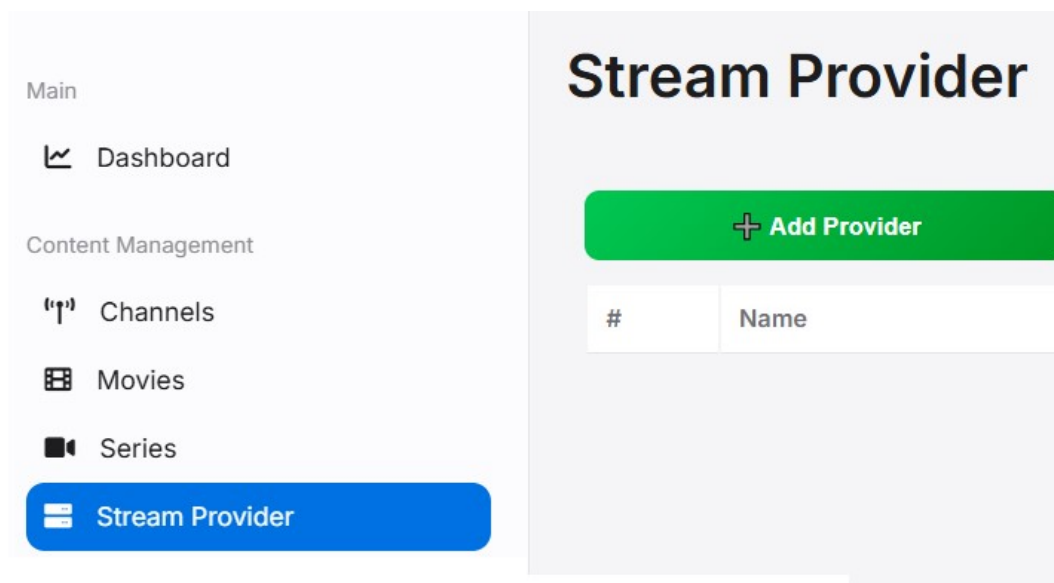
Movie Description

Add Movie Cancel



2.3.3 Import movies 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

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

Server Name: Main Server

Folder Type: Movie

Directory: /home/movie

Enabled: ☒ Active

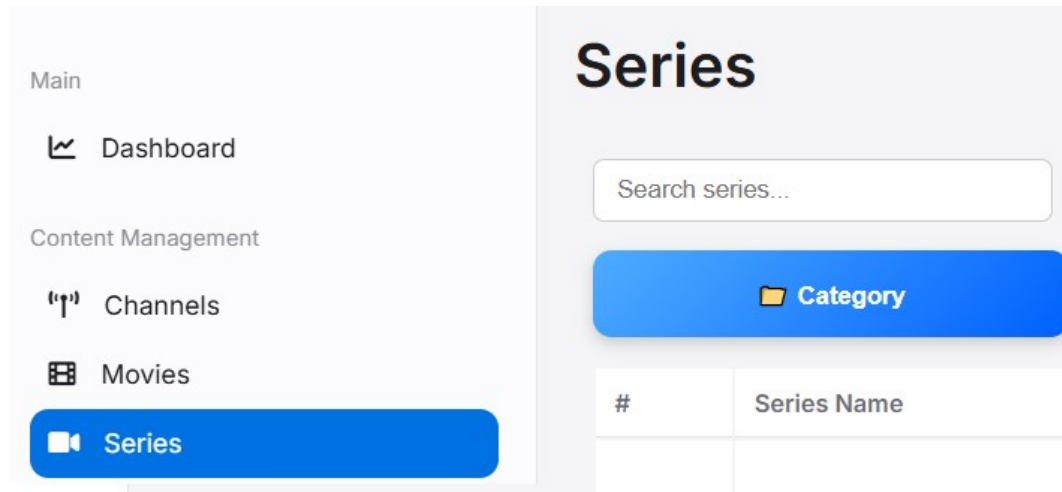
Add WorkFolder **Cancel**



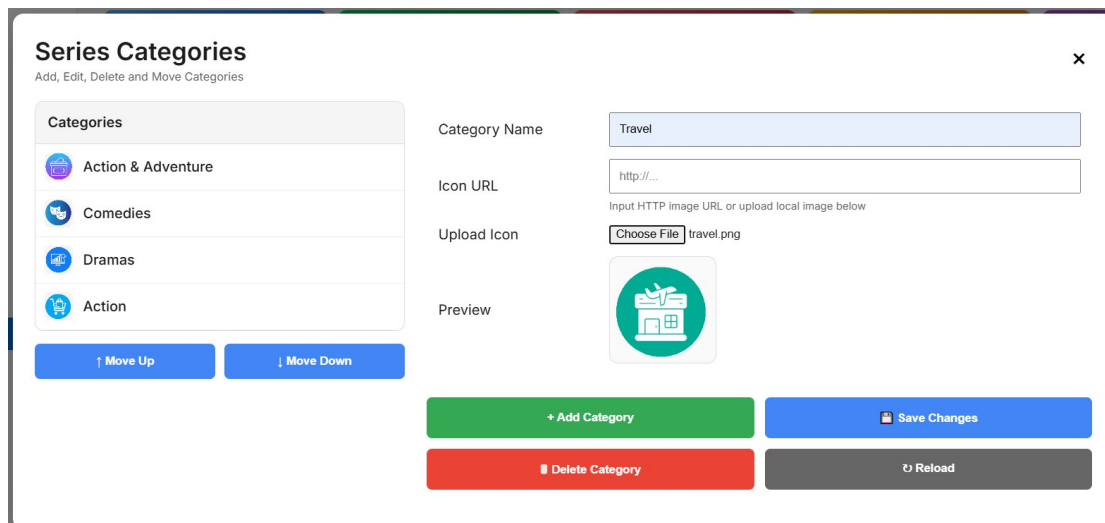
2.4 Series Management

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

The screenshot shows a web interface for managing series. On the left is a sidebar with a 'Main' section containing 'Dashboard' and a 'Content Management' section containing 'Channels', 'Movies', and 'Series' (which is highlighted). The main area is titled 'Series' and contains a search bar labeled 'Search series...'. Below the search bar are two buttons: a blue 'Category' button and a green '+ Add Series' button. At the bottom, there is a table with two columns: '#' and 'Series Name'.

2. Input all fields

The 'Add Series' modal form contains the following fields and controls:

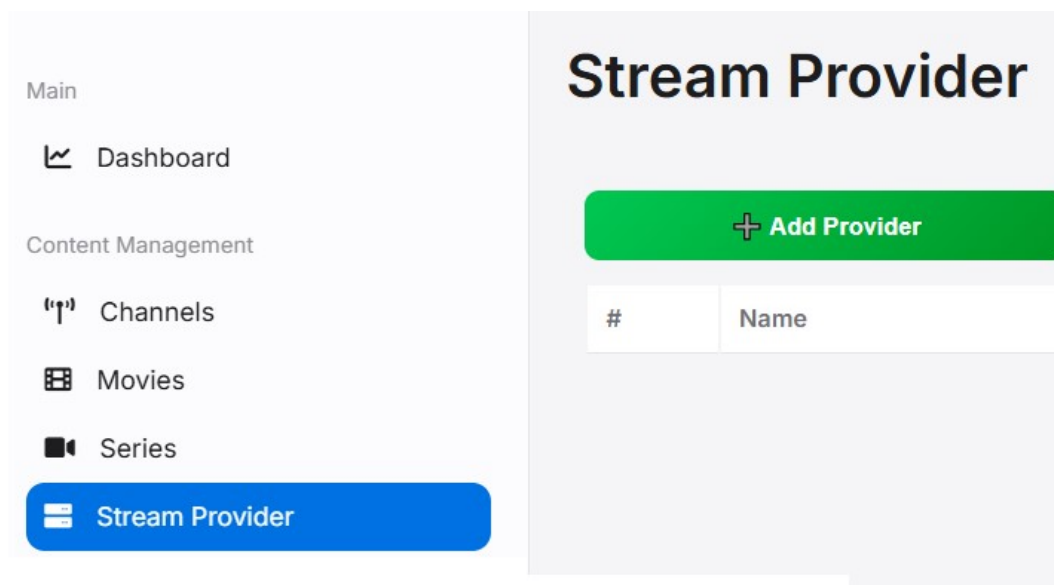
- Series Name:** Text input with the value '112 Reasons Why'.
- Category:** A dropdown menu showing 'Action & Adventure' and a 'Server' dropdown showing 'Main Server'.
- Image URL:** Text input with the value 'https://image.tmdb.org/t/p/w300_and_h450_bestv2/nKPQhh3ua2k9Ps7P7idZ3U3V92V.jpg'.
- Season No:** Text input with the value '1'.
- Release Date:** Text input with the placeholder 'YYYY-MM-DD'.
- Rating:** Text input with the value '5.0'.
- Genres:** A dropdown menu showing 'Children' and an 'Add Genre' button.
- Description:** A large text area with the placeholder 'Series Description'.

At the bottom of the modal are two buttons: a blue 'Add Series' button and an orange 'Cancel' button.



2.4.3 Import Series 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

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

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

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

Add WorkFolder [X]

Server Name: Main Server

Folder Type: Series

Directory: /home/series

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 web interface. On the left, a sidebar menu includes 'Main' (with a 'Dashboard' link), 'Content Management' (with links for 'Channels', 'Movies', 'Series', 'Stream Provider', and 'Work Folder'), and 'XMLTV URLs' (highlighted with a blue button). The main content area is titled 'XMLTV URLs' and contains a green button labeled '+ Add XMLTV'. Below this is a table with three columns: '#', 'Name', and 'XML'.

2. Input all fields

The 'Add XMLTV' modal form is displayed. It has a title bar with a close button (X). The form contains three input fields: 'XMLTV Name' with the value 'XMLTV1', 'XMLTV URL' with the value 'http://www.imoviecity.com:8000/getxmltv?username=root&password=1234&type=m3u', and an 'Enable' checkbox which is checked and labeled 'Active'. At the bottom of the form are two buttons: 'Add XMLTV' (blue) and 'Cancel' (orange).



2.5.2 UDP Stream

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

☐	Channel Name ▲ ▼	Media Source	
☐	1 Euronews	udp://239.0.0.4:1234	[
☐	2 Eurosport	udp://239.0.0.5:1234	[
☐	3 HSE24 Extra	udp://239.0.0.6:1234	[
☐	4 Kabel 1	udp://239.0.0.8:1234	[

Channel Streaming Prebuffer No.	2000	?
Channel Reconnection Interval	6	?
MPEG EPG Extraction	☒	?

Pagination Limit Number	100	?
Admin. System Log Lines	1000	?

2.5.3



2.6 Reseller Management

1. Click Reseller URLs: Add Reseller

The screenshot shows a dashboard with a sidebar on the left containing links to 'Main', 'Dashboard', 'User Management', 'Users', 'Resellers' (highlighted), and 'Packages'. The main content area is titled 'Reseller' and features a green '+ Add Reseller' button. Below the button is a table with the following columns: '#', 'Name', 'Email', 'Credit', and 'User'. The table currently shows one entry, and navigation buttons 'First', 'Prev', and '1' are visible at the bottom right.

2. Input all fields

The 'Add Reseller' form contains the following fields and values:

Field	Value
Username	reseller1
Password	1aaa234567@
Package	basic
Level	Reseller
Total Credit	10000
Expired Time	12/31/9999
Email	reseller1@gmail.com
Auto Renew	OFF

At the bottom of the form are two buttons: 'Add Reseller' (blue) and 'Cancel' (orange).



2.7 Load Balancer

1. Click Load Balancers: Add Balancer

Main

[Dashboard](#)

System

[Load Balancers](#)

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

USA Balancer

Server IP

51.75.72.165

Panel Port

17000

Username

root

Password

....

Country

N/A

Add Balancer

Cancel



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

	User Name	Password	Group
☐ 1	e1	1304693446	basic
☐ 2	e2	1304693446	basic
☐ 3	e3	1304693446	basic
☐ 4	e4	1304693446	basic

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

	User Name	Password	Gr
☐ 1	rt51	9091880686	basic
☐ 2	rt52	9091880686	basic
☐ 3	rt53	9091880686	basic



4 HTML5 Player

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

TV1

On Demand ☐ HLS ☒

Channel SID EPG Channel ID

User Agent Bitrate Tolerance

Catch Up Days Proxy Mode

Input Adapter

2nd URL

3rd URL

- 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

Users

Search user... Search 20 All Users

+ Add User Mass Delete Mass Edit 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				

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

Main

Dashboard

Content Management

Channels

Channels

20 All Channels

Move

Bitrate	Action
0	
0	

2. Enable HLS option of one channel

TV1

Advanced Channel Settings

HLS (m3u8 Output)



AES Encryption (m3u8 O

Channel SID

EPG Channel ID

Buffer Size

Bitrate Tolerance

Catch Up Days

Server



3. Enable HLS option of multiple channels

Mass Edit Channels

Start Position

HLS (m3u8 Output)



Input Adapter



Buffer Size

Catch Up Days

Save Changes

4. Select m3u8(API) and click Generate Link

Download Playlist

Channel List



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 for configuring multicast settings. On the left, a sidebar menu has 'Main' (containing 'Dashboard') and 'System' (containing 'Load Balancers' and 'Settings', which is the active page). The main content area is titled 'Settings' and features a 'Multicast' section. Within this section, 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:

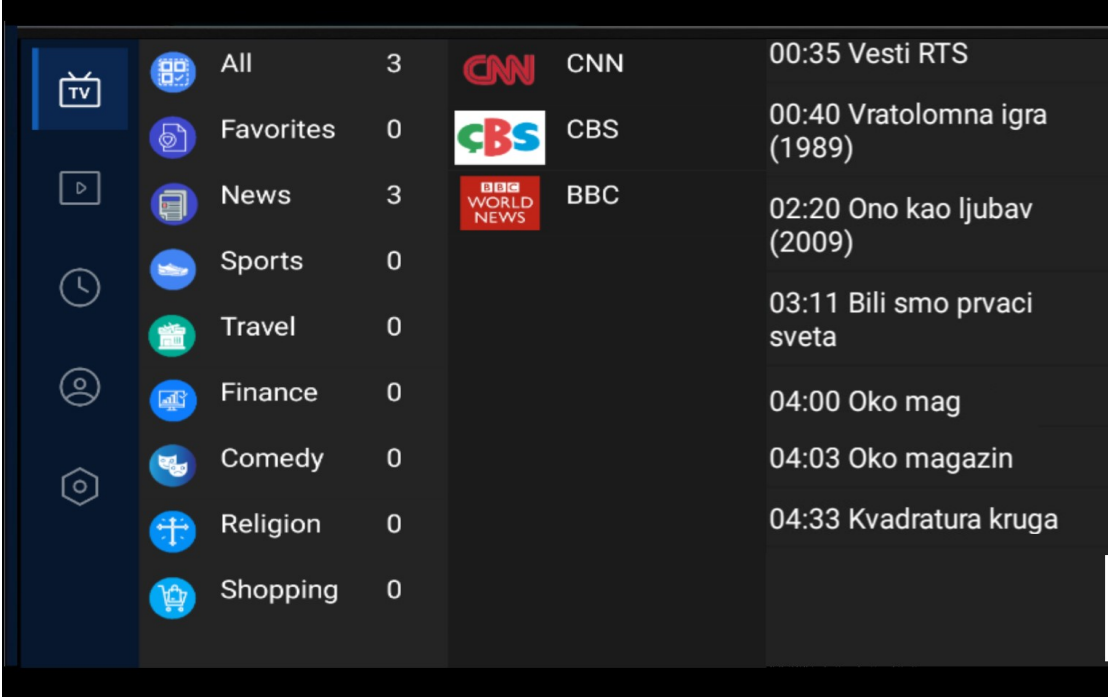
- **Support Multicast AES Encrypted Channels**
- **Support OTT AES Encrypted Channels**
- **Add Service by Domain URL**
- **TV, Movie and Series**
- **Support YouTube Channel Links**
- **EPG and Catch up TV**
- **Parent Control of adult content**
- **Support TMBD for Movie and Series**
- **Channel Video 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
All 3	CNN	00:35 Vesti RTS
Favorites 0	CBS	00:40 Vratolomna igra (1989)
News 3	BBC	02:20 Ono kao ljubav (2009)
Sports 0		03:11 Bili smo prvaci sveta
Travel 0		04:00 Oko mag
Finance 0		04:03 Oko magazin
Comedy 0		04:33 Kvadratura kruga
Religion 0		
Shopping 0		



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 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

Main Server

Folder Type

Series

Directory

/home/series

Enabled

☒ Active

Add WorkFolder

Cancel

- 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
```

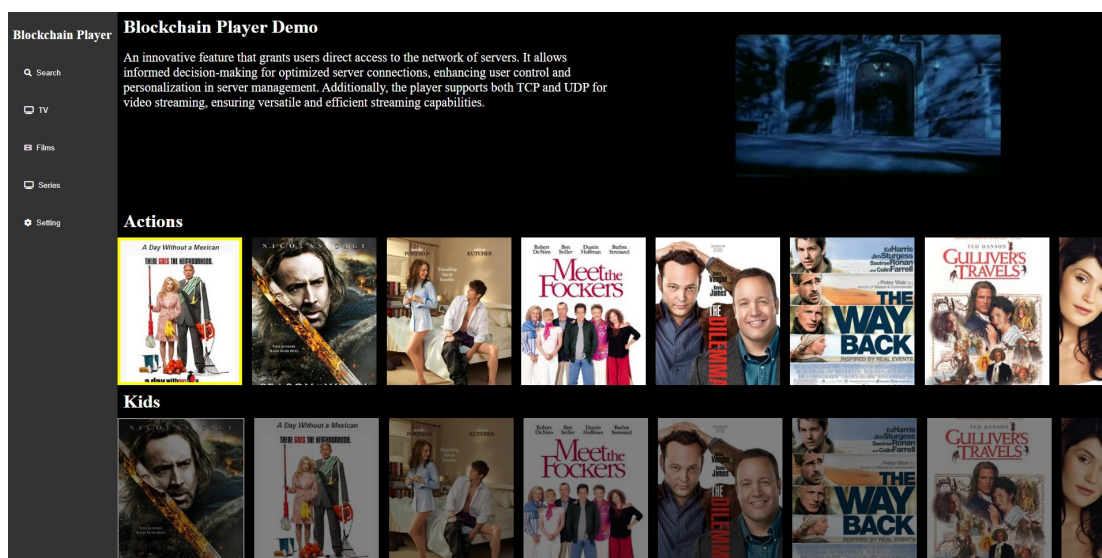
- ezserver automatically refreshes hourly series work folder



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	☐	HLS	☒
Channel SID		EPG Channel ID	TV1
User Agent	Ezhometech(Ezserver)	Bitrate Tolerance	0
Catch Up Days	0	Proxy Mode	0
Input Adapter	127.0.0.1		
2nd URL			
3rd URL			



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

Ezserver User Management

Dashboard Subscription App Setting Account

Dashboard

max Connections 1

Online Connections 0

Expired Time 07/19/2025

M3U API List

- Channel M3U 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 M3U API: http://192.168.0.3:8000/getlink?username=test&password=1234&type=m3u&content=movie
- Series M3U API: http://192.168.0.3:8000/getlink?username=test&password=1234&type=m3u&content=series
- Content M3U 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

Ezserver User Management

Dashboard Subscription App Setting Account

User: test

My Packages	Total Days	Expire Date
golden	332	07/19/2025

System Packages	Price	QR Code
basic	5	Order
sliver	5	Order
golden	5	Order
12 Minths EU	79	Order



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 [X]

Server Name: USA Balancer

Server IP: 51.75.72.165

Panel Port: 17000

Username: root

Password:

Country: N/A

[Add Balancer] [Cancel]

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



Add Balancer ×

Server Name	USA balancer
Server IP	www.imoviecity.com
Panel Port	17000
Username	root
Password	
Country	Taiwan

Add Balancer

Cancel

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

imoviecity

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**.

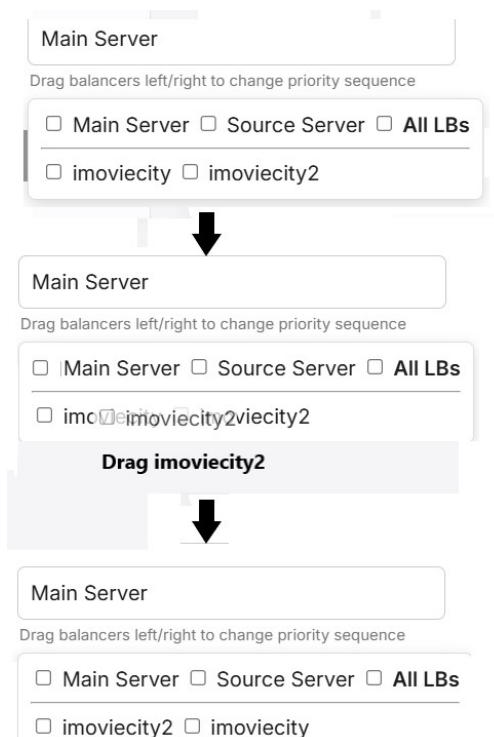
Example:

- 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)

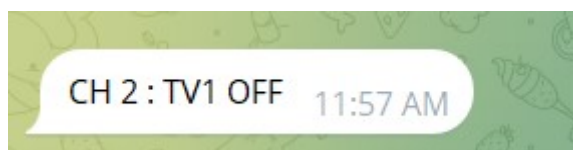


18 Administrator Notifications

Click Profile: Input Telegram Bot Token, Chat ID and Period

The screenshot shows the 'Profile' configuration page in the Ezserver administrator interface. On the left is a sidebar menu with 'Main' (containing 'Dashboard') and 'System' (containing 'Load Balancers' and 'Profile'). The 'Profile' option is highlighted in blue. The main content area is titled 'Profile' and contains a 'Telegram Bot' section. This section has three fields: 'Bot Token' with the value '12345678:AAAAAAEEEdsddsdTsmJBoJlssss', 'Chat ID' with the value '1445654488', and 'Enable Notification' which is checked with a blue checkbox.

Ezserver automatically monitors channel status and sends a Telegram notification when a channel goes offline.





19 HTTP/3 VOD Streaming

Requirement:

Minimum Server Requirement:

- **Linux:** Ubuntu 24.04(Recommended), 26.04
- **CPU:** 4v Core
- **RAM:** 8GB
- **Storage:** 160 GB
- **Bandwidth:** 1Gbps unmetered