



Ezserver v7.0 Tutorial

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Content

1 Ezserver	4
1.1 Installation and License activation	5
1.2 Start / Restart / Shutdown	6
1.3 Admin Password	7
1.4 Software Update	7
1.5 User Authorization for Streaming URL.....	7
2. Admin Panel	8
2.1 User Management	9
2.2 Channel Management.....	11
2.2.1 Add new channel	11
2.2.2 Import channels by m3u link	12
2.2.3 All SD, HD, FHD channels setting.....	13
2.2.4 Single SD, HD, FHD channel setting	14
2.2.5 Daily Refresh Channel	14
2.3 Movie Management	15
2.3.1. Add TMDB Movie	15
2.3.2. Upload Local movies	18
2.4 Series Management.....	19
2.5 EPG Management	20
2.6 User Agent Management	23
2.7 Reseller Management.....	24
3 Reseller Panel	25
4 Supported Players	26
5 M3U / M3U8 URL for Players	29
5.1 M3U List API	29
5.2 M3U8 List API	30
6 PHP Script Integration	31
7 Multicast Setting	32
8 Multicast Player	33
9 EZ2Player	34
10 Work Folder	35
11 Middleware	38
12 Blacklist	39
13 DBTool	40
14 User Subscription Portal	41



15 Auto Backup XML Database	42
16 Manual Backup XML Database.....	42

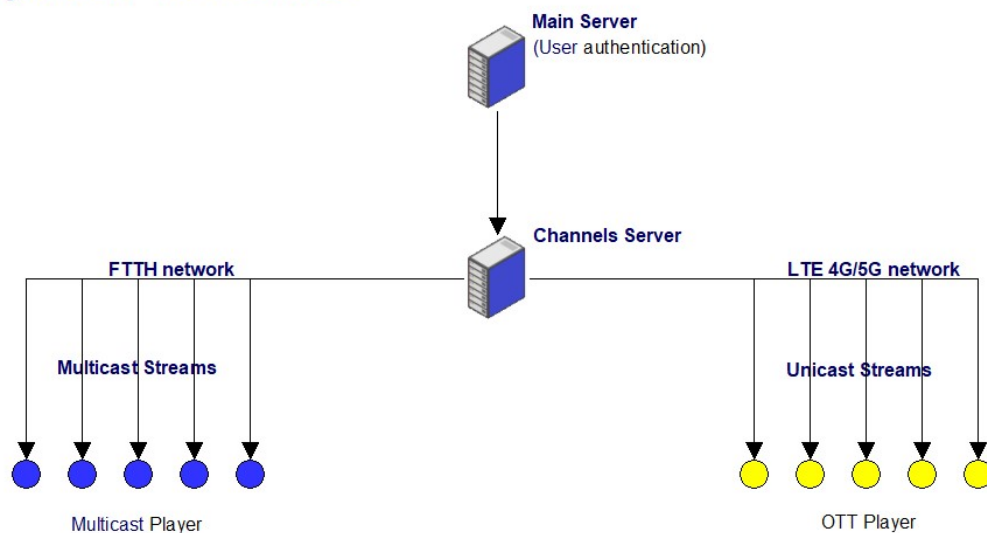


1 Ezserver

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
- **Windows:** 64-bits
- **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:

Hello,

A. Linux Ubuntu 20.04 — video:

1. Login ssh by root or sudo user
2. apt install openssl
3. openssl version
4. if not version 1.1, reinstall openssl by the instructions.
5. cd /home && wget -O install.sh http://www.ezhometech.com [redacted] install.sh && chmod 777 install.sh
6. ifconfig //select one network interface for next step
7. ./install.sh
8. Contact sales@ezhometech.com for password.
9. Panel port and Streaming Port must be different.
10. cat /home/ezserver_enterprise/serial_number.txt
11. email /home/ezserver_enterprise/serial_number.txt (size: 97 bytes) with paypal transaction info. to sales@ezhometech.com for license activation.

B. Windows

1. Click here to download it and contact sales@ezhometech.com for unzip password.
2. Refer Readme.txt in zip file.
3. Double Click Ezserver.exe to create serial_number.txt.
4. email ezserver_enterprise/serial_number.txt (size: 97 bytes) with paypal transaction info. to sales@ezhometech.com for license activation.
```

Windows version:

- Download ezserver_enterprise.zip from the checkout web page.
- Refer Readme.txt in zip file to run Ezserver.exe.
- Email us the ezserver_enterprise/serial_number.txt (size: 74bytes) to active Ezserver license.

Note: Windows version with multiple network cards

- Open ezserver_config.txt and edit network_interface value..
- network_interface value
 - eth0: the first card
 - eth1: the 2nd card
 - eth2: the 3rd card.
- Delete serial_number.txt and double click Ezserver.exe to create new serial_number.txt to us for license reactivation.

Linux:

- Download install.sh from the checkout web page.
- ./install.sh with installation password
- Email us the ezserver_enterprise/serial_number.txt (size: 74bytes) to active Ezserver license.



1.2 Start / Restart / Shutdown

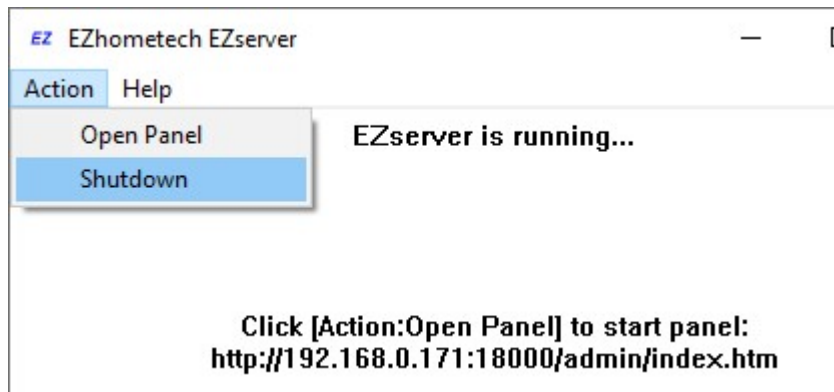
Windows version:

- Start:
 - ✧ Double Click Ezserver.exe
- Restart: Login Panel and Click the below button



wait 30~60 seconds to relogin panel.

- Shutdown:



Linux Version: ezserver at /home/ezserver_enterprise folder

- Start:
 - ✧ sudo -i
 - ✧ cd /home/ezserver_enterprise
 - ✧ ./start.sh
- Restart:
 - ✧ sudo -i
 - ✧ cd /home/ezserver_enterprise
 - ✧ ./restart.sh
 - ✧ or Login Panel and Click the below button



wait 30~60 seconds to relogin panel.

- Shutdown:
 - ✧ sudo -i



- ✧ `cd /home/ezserver_enterprise`
- ✧ `./shutdown.sh`

1.3 Admin Password

The screenshot shows the 'Users' management page in the ezserver_enterprise web interface. A dropdown menu is open, showing options like 'Add User', 'Add Android Device', 'Add MAG STB', 'Add Active Code', and 'Manage Users'. The 'Manage Users' option is highlighted with a red box and a red arrow labeled '1'. Below the menu, a table lists users with columns for 'User ID', 'User', 'Password', 'Group', 'Channel List', and 'Owner'. A red arrow labeled '2' points to the 'Password' column. Another red arrow labeled '3' points to the 'Add User' button in the top right corner.

User ID	User	Password	Group	Channel List	Owner
1	root	1234	golden	--	
2	Main	n1960			
3					
4	Joel	1000			
5	Jean-M	n-Michel-1975			
6	850732				

1.4 Software Update

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

1.5 User Authorization for Streaming URL

- **Enable `user_authorization` in `ezserver_enterprise/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



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>

Setting

HTTPS Setting			
Panel port	<input type="text" value="18443"/>	API port	<input type="text" value="17443"/>
Streaming port	<input type="text" value="443"/>		
HTTP Setting			
Panel port	<input type="text" value="18000"/>	API port	<input type="text" value="17000"/>
Streaming port	<input type="text" value="8000"/>		

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>

Setting

HTTPS Setting			
Panel port	<input type="text" value="18443"/>	API port	<input type="text" value="17443"/>
Streaming port	<input type="text" value="443"/>		
HTTP Setting			
Panel port	<input type="text" value="18000"/>	API port	<input type="text" value="17000"/>
Streaming port	<input type="text" value="8000"/>		



2.1 User Management

Dashboard Users Channels Movies Series

User

- Add User
- Manage Users
- Add Group
- Manage Groups
- Add Reseller
- Manage Resellers

	Password	Group▲▼
<input type="checkbox"/>	1234	golden ▼
<input type="checkbox"/>	9390973961	basic ▼
<input type="checkbox"/>	c42fad711688	golden ▼
<input type="checkbox"/> 4 test	1234	golden ▼

New User

User at	<input type="text" value="300"/>	User Name	<input type="text" value="new1"/>
Password	<input type="text" value="4128295961"/>	Rating Password	<input type="text" value="4128295961"/>
Group	<input style="border: none; border-bottom: 1px solid #ccc; background: none; padding: 0 5px;" type="text" value="basic"/> ▼	Level	<input style="border: none; border-bottom: 1px solid #ccc; background: none; padding: 0 5px;" type="text" value="User"/> ▼
Expired Time	<input style="border: none; border-bottom: 1px solid #ccc; background: none; padding: 0 5px;" type="text" value="1 month"/> ▼	Connection Limit	<input type="text" value="1"/>
IP	<input type="text"/>	MAC ID	<input type="text"/>



Add new user with MAC ID

New User

MAC ID : 11:22:33:44:55:66
Input format: **11223445566**

User at	<input type="text" value="300"/>	User Name	<input type="text" value="new1"/>
Password	<input type="text" value="4128295961"/>	Rating Password	<input type="text" value="4128295961"/>
Group	<input type="text" value="basic"/>	Level	<input type="text" value="User"/>
Expired Time	<input type="text" value="1 month"/>	Connection Limit	<input type="text" value="1"/>
IP	<input type="text"/>	MAC ID	<input type="text" value="112233445566"/>

Add trial user

New User

Trial User

User at	<input type="text" value="300"/>	User Name	<input type="text" value="new1"/>
Password	<input type="text" value="4128295961"/>	Rating Password	<input type="text" value="4128295961"/>
Group	<input type="text" value="basic"/>	Level	<input type="text" value="Trial"/>
Expired Time	<input type="text" value="1 hour"/>	Connection Limit	<input type="text" value="1"/>
IP	<input type="text"/>	MAC ID	<input type="text" value="112233445566"/>



2.2 Channel Management

2.2.1 Add new channel

1.

Dashboard Users Channels Movies Series

Channel

- Add Channel
- Manage Channels
- Manage EPG

<input type="checkbox"/>	Channel Name	Media Source
<input type="checkbox"/>	1 RTS 1	dir://media/videos/Movie/
<input type="checkbox"/>	2 TV3	http://bitcdn-kronehit.bitmovin.com/v2/f
<input type="checkbox"/>	3 RTS 2	dir://media/videos/Movie/

2.

New Channel

Channel at: Channel Name:

Media Source:

Icon Path:

Category: Type:

- Live
- Movie
- DVR
- Inactive
- Delay 5 sec.



2.2.2 Import channels by m3u link

1. Click Channels: Manage Channels: Import M3U

<input type="checkbox"/>	Channel Name	Media Source
<input type="checkbox"/>	1 RTS 1	dir://media/videos/Movie/
<input type="checkbox"/>	2 TV3	http://bitcdn-kronehit.bitmovin.com/v2/f
<input type="checkbox"/>	3 RTS 2	dir://media/videos/Movie/

2. Click Import M3U

Toolbar options: No Filter, 20, Add Channel, Multi Refresh, Import M3U, Export as XML, Transcoder.

3. Input HTTP M3U Link and Click **Submit** button

Import Channels

Channel after: Options:

M3U from HTTP URL or Local File

HTTP URL:

Local File: No file chosen



4. Then restart ezserver by `./restart.sh` cmd in ssh console or click panel power off button,



then wait for 1~2 min. to login panel again.

5. if any issue after import by the above way., you can refer the below steps

- Use Chrome to download your m3u link and rename it to **new.m3u**
- Click **Choose Files** to select new.m3u and click **Submit** button.

Import Channels

Channel after Options

M3U from HTTP URL or Local File

HTTP URL

Local File : No file chosen

6. if any issue after import by the above way., you can refer the below steps

- Use Chrome to download your m3u link and rename it to **new.m3u**
- Upload **new.m3u** into server `/home/ezserver_enterprise` folder
- Open `/home/ezserver_enterprise/channel_definition.xml`
- Remove all lines **except the 1st line** and save it.
- Restart ezserver by `./restart.sh` in ssh console again
- Import it again by new URL: http://ezserverIP:panel_port/new.m3u
- Login panel to check it again.

2.2.3 All SD, HD, FHD channels setting

Click Panel Setting.

甲、SD channel (~2Mbps)

Channel Setting:

Channel Input Buffer No. ⓘ

DVR Duration ⓘ

Video Input Quality SD HD (0.00)

乙、HD / FHD channel (above 4Mbps)



Channel Setting:	
Channel Input Buffer No.	<input type="text" value="20000"/> ⓘ
DVR Duration	<input type="text" value="60"/> ⓘ
Video Input Quality	SD <input type="range" value="0.99"/> HD (0.99)

2.2.4 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"/> ⓘ
-------------	--------------------------------------	-------------------	-------------------------------------

2.2.5 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

<input type="checkbox"/>	Movie Name ▲▼	Media Source
<input type="checkbox"/>	1 THE BEST UPCOMING MC	https://youtu.be/uAQFxn2Ss84
<input type="checkbox"/>	2 GOLD Trailer (2022)	https://youtu.be/9UHxMBhFy88
<input type="checkbox"/>	3 NEW MOVIE TRAILERS (2	https://youtu.be/LbSeaed26SI

2.3.1. Add TMDb Movie

This option works only for HTTPS Admin Panel.

- Add Movie
- Upload Movies
- Manage Movies



New Movie

Click here

Movie at: Movie Name:

File Folder

Category:

Rent Point: Buy Point:

Media Source:

Icon Path:

Description:

New Movie

Click Here

Movie at: Movie Name:

File Folder

Category:

Rent Point: Buy Point:

Media Source:

Icon Path:

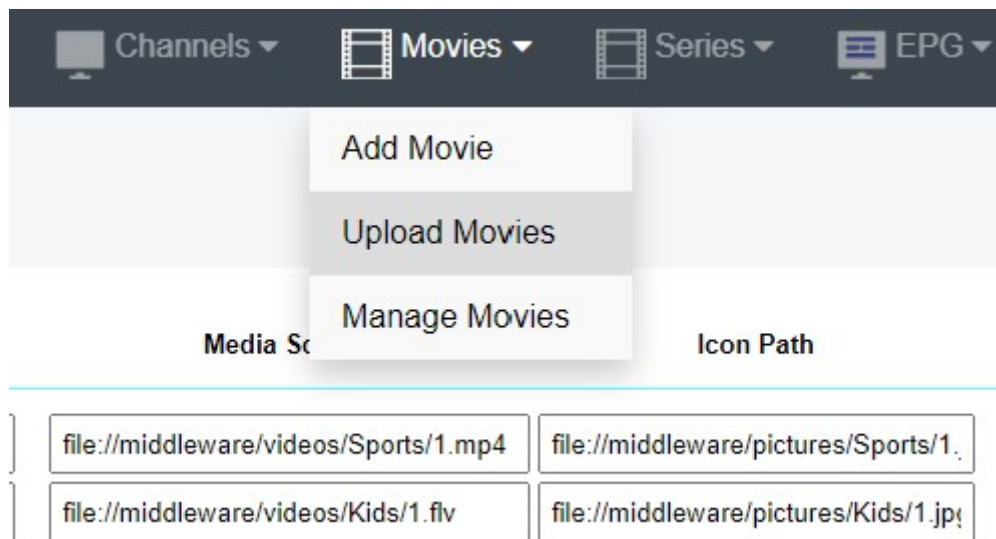
Description:

Select one option from the list:

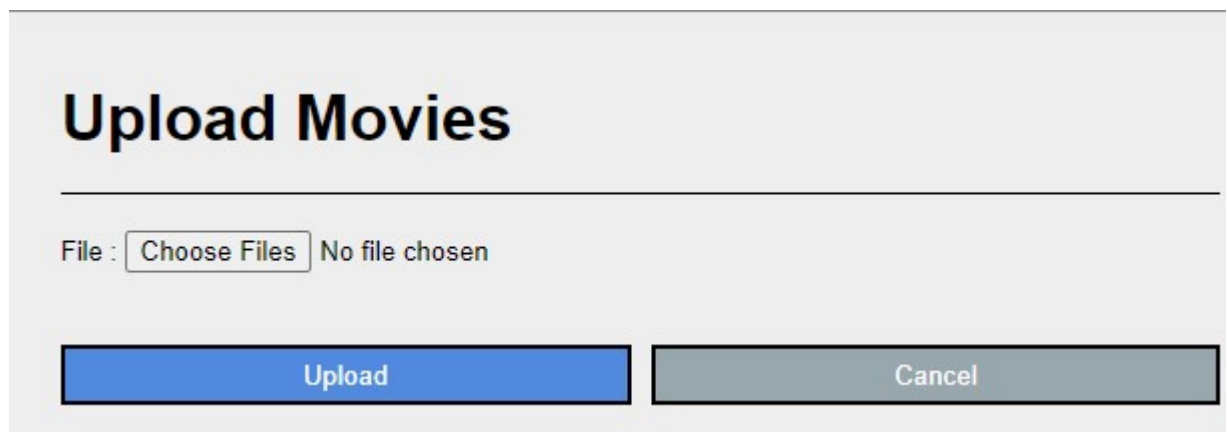


2.3.2. Upload Local movies

1. Click Movies:Upload Movies



2. Click **Choose Files** to select new.m3u and click **Submit** button.





2.4 Series Management

Users ▾ Channels ▾ Movies ▾ Series ▾ Balancers ▾

Add Series
Manage Series

<input type="checkbox"/>	Series Name ▲ ▾	Category ▲ ▾
<input type="checkbox"/>	1 13 Reasons Why	R SERIES
<input type="checkbox"/>	2 ROMAN EMPIRE	Series2
<input type="checkbox"/>	3 THE KOMISKY METHOD	R SERIES

Showing 1 to 3 of 3 series

New Series

Series at: Series Name:

Category: Season No.:

Rating: Released Date:

Icon Path:

Description:



2.5 EPG Management

No.	Start Time	Stop Time
1	06:41	06:50
2	2022/05/04 00:25:00	2022/05/04 00:30:00
3	2022/05/04 00:30:00	2022/05/04 02:20:00

There are 3 ways to add EPG to Ezserver, one is from XMLTV URL, the other is from UDP Stream, another is manual insertion.

XMLTV URL

XMLTV EPG URL:

System Setting:
Max. Streaming No. Pagination Limit Number
System Log Lines Admin. System Log Lines

Security Setting:
Alert Player Duration Blacklist Option

Management
User Agent
Blacklist
Statistics
Setting



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"/>	



Manual insertion

Select DAILY, MONDAY, or others with Start time, then Ezserver will record video by the option into local storage and insert the video into Movie menu.

New Program

Program No.	<input type="text" value="1"/>	Record by	<input type="text" value="DAILY"/>
Start Time	<input type="text" value="18:00"/>	Stop Time	<input type="text" value=""/>
Title	<input type="text" value=""/>	Icon URL	<input type="text" value=""/>
Description	<input type="text" value=""/>		



2.6 User Agent Management

Series ▾ Balancers ▾ Management ▾

User Aget

Blacklist

Statistics

Setting

ed Mode Accepted Mode

No.	Player Name	
1	stagefright	
2	vlc(linux;)	
3	VLC6	
4	NSPlayer	

New User Agent

User Agent:



2.7 Reseller Management

Dashboard Users Channels Movies Series

Reseller

- Add User
- Manage Users
- Add Group
- Manage Groups
- Add Reseller
- Manage Resellers

No.		Email
1		@gmail.com
2		@gmail.com
3		1@gmail.com
4		1@gmail.com
5	sr3	@gmail.com
6	sr4	@gmail.com

New Reseller

No.	<input type="text" value="7"/>	Total Credit :	<input type="text" value="1000"/>
Name :	<input type="text" value="susan"/>	Password :	<input type="text" value="1234"/>
Group	<input type="text" value="golden"/>	Level:	<input type="text" value="Reseller"/>
Expired Time :	<input type="text" value="12/31/2024"/>	Email:	<input type="text" value="susa@gmail.com"/>
Auto Renew	<input type="text" value="ON"/>		



3 Reseller Panel

Input URL: **http://domain:port/reseller/index.htm** in Chrome

- **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.

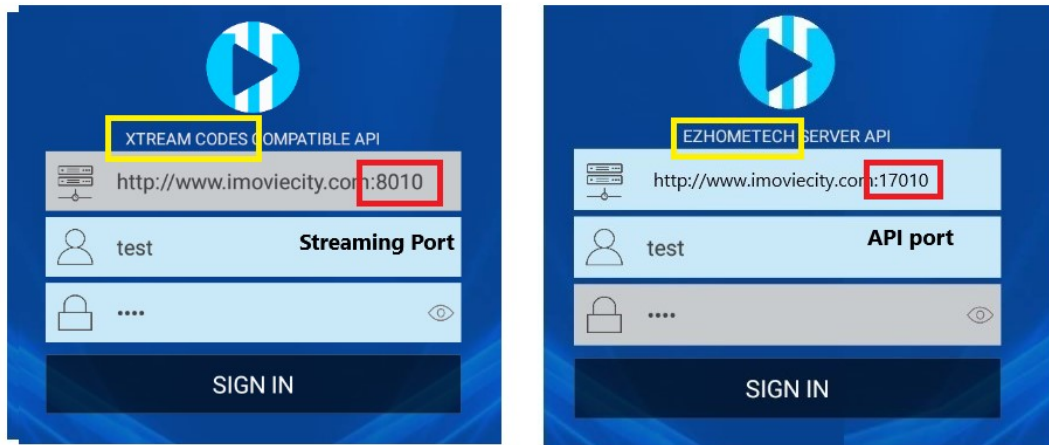
<input type="checkbox"/>	User Name	Password	Gr
<input type="checkbox"/> 1	rt51	9091880686	basic
<input type="checkbox"/> 2	rt52	9091880686	basic
<input type="checkbox"/> 3	rt53	9091880686	basic



4 Supported Players

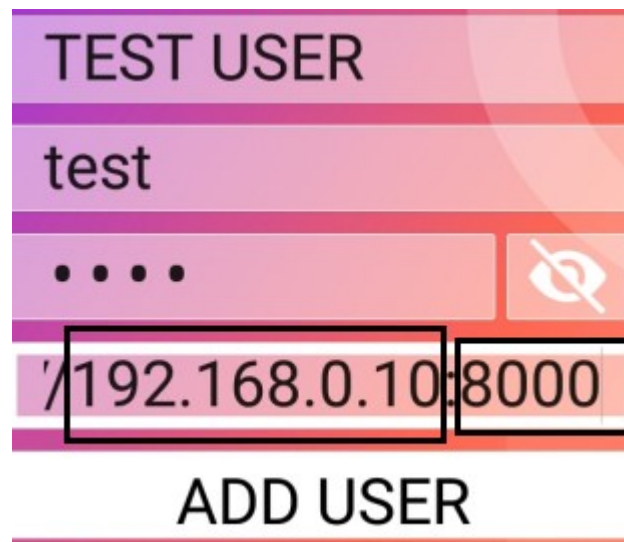
XCIPTV

- Select Xstream codes or Ezhometech API



IPTV Smater

uses ezserver streaming port (8000) instead of API port (17000)





Mag STB

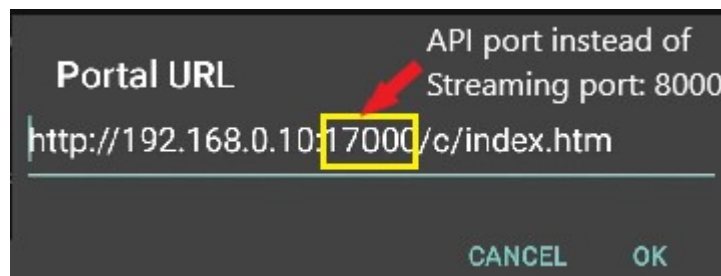
Use Ezserver API port (17000)

- Add Mag MAC ID into Ezserver IPTV Panel

New Mag STB

User at	<input type="text" value="3"/>	MAC Address	<input type="text" value="00:1A:A1:24:C8:C9"/>
Password	<input type="text"/>	Rating Password	<input type="text" value="3245087872"/>
Group	<input type="text" value="basic"/>	Level	<input type="text" value="User"/>
Expired Time	<input type="text" value="1 month"/>	Connection Limit	<input type="text" value="1"/>
IP	<input type="text"/>	Device Type	<input type="text" value="mag"/>

- Portal URL is <http://domain:17000/c/index.htm>





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 URL for Players

5.1 M3U List API

- Go to User menu
- Select m3u(getlink API)

Group ▲ ▼	Channel List
golden ▼	-- ▼
golden ▼	-- ▼
golden ▼	-- ▼
golden ▼	-- ▼
golden ▼	-- ▼
golden ▼	-- ▼
basic ▼	Enigma
basic ▼	Enigma 1.6
basic ▼	Enigma(RTMP)
basic ▼	Enigma 1.6(RTMP)
basic ▼	Enigma(chno)
basic ▼	Enigma 1.6(chno)
basic ▼	Enigma(RTMP/chno)
basic ▼	Enigma 1.6(RTMP/chno)
basic ▼	m3u
basic ▼	m3u(getlink)
basic ▼	m3u(net nhn)

Copy the URL to players



5.2 M3U8 List API

- 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"/>		

- Go to User menu
- Select m3u8(getlink API)

Channel List	Mo
--	--
m3u(chno with suffix)	--
m3u(chname with suffix)	--
m3u(RTMP)	--
m3u8	--
m3u8(getlink API)	--
m3u8(No Encoded)	--

Copy the URL to players



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

Multicast Setting:

- **Set Multicast output IP and Port**

The screenshot shows the 'Ezserver' interface with a 'Setting' tab selected. A 'Save' button is visible at the top right. The 'Multicasting Streaming Setting' section contains two input fields: '6. Multicast IP' with the value '225.1.1.1' and '7. Multicast port' with the value '9001'.

Add users:

- **Add annie user with max connection value 1.**

The screenshot shows the 'New Android Device' form with the following fields and values:

User at	17	Serial Number	annie
Password		Rating Password	736883522
Group	basic	Level	User
Expired Time	1 month	Connection Limit	1
IP		Device Type	android

Buttons: Add (blue), Cancel (grey)

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 Multicast Player

Multicast Player is a **multicast encryption player** for local network users that plays channels, movies and series from Ezserver.

Features:

- **Save Server Bandwidth**
- **TV, Movie and Series**
- **EPG and Catch up TV**
- **Parent Control of adult content**
- **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+**

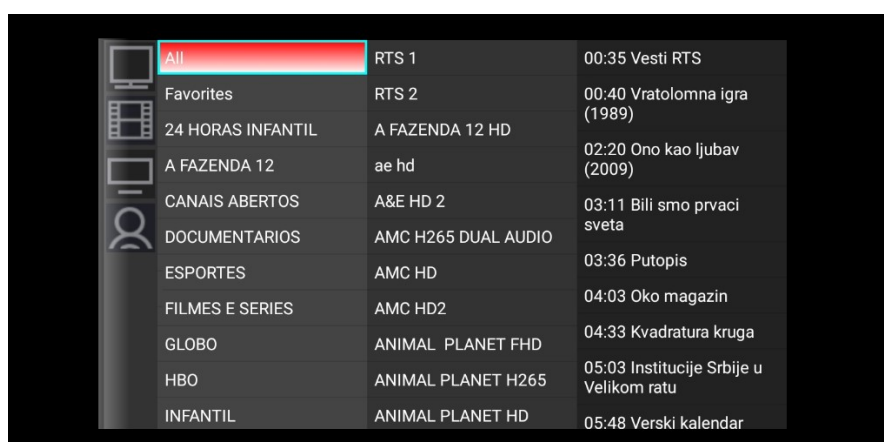
Server IP and Port Setting:

www.ezhometech.com
Version: 3.0

Domain name :

Port :

Player Home:





9 EZ2Player

It is a streaming player on android mobile / TV / STB devices. That explores services and plays channels, movies and series from Ezserve.

Features:

- **Add Service by Domain URL**
- **TV, Movie and Series**
- **Support YouTube Channel Links**
- **EPG and Catch up TV**
- **Support Multicast AES Encrypted Channels**
- **Support OTT AES Encrypted Channels**
- **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+**

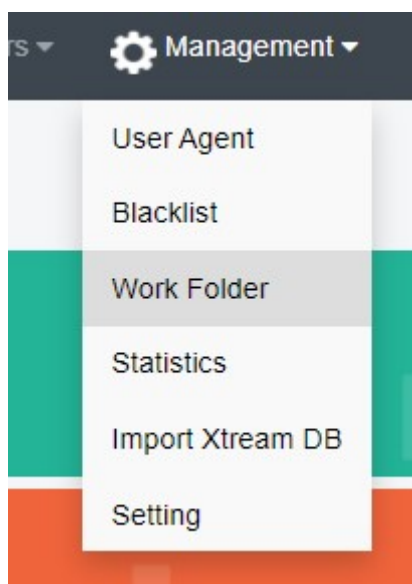
Categories	Channels	EPG
All 3	CNN CNN	00:35 Vesti RTS
Favorites 0	CBS CBS	00:40 Vratolomna igra (1989)
News 3	BBC BBC	02:20 Ono kao ljubav (2009)
Sports 0		03:11 Bili smo prvaci sveta
Travel 0		04:00 Oko mag
Finance 0		04:03 Oko magazin
Comedy 0		04:33 Kvadratura kruga
Religion 0		
Shopping 0		



10 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



Update Folder

Server Name	<input type="text" value="BL1"/>
Folder Type	<input type="text" value="Movie"/>
Selected path	<input type="text" value="media/videos/upload"/>
Enabled	<input checked="" type="checkbox"/>



Create Movie Folder

New Folder

Server Name


Folder Type

Selected path


Enabled


- Add new folder (/home/media) in Blancers
- 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

New Folder

Server Name

Folder Type

Selected path

Enabled

- Add new folder (/home/series) in Content Node
- Upload mp4 files into /home/series as below syntax

Filename syntax: Series name - episodes name - xxx.mp4

- used US - S01E01 - WEBDL-720p.mkv
- used US - S01E02 - WEBDL-720p.mp4
- bhagya-lakshmi - S01E05 - WEBDL-720p.mp4
- bhagya-lakshmi - S01E04 - WEBDL-720p.mp4
- bhagya-lakshmi - S01E03 - WEBDL-720p.mp4
- bhagya-lakshmi - S01E02 - WEBDL-720p.mp4
- bhagya-lakshmi - S01E01 - WEBDL-720p.mp4

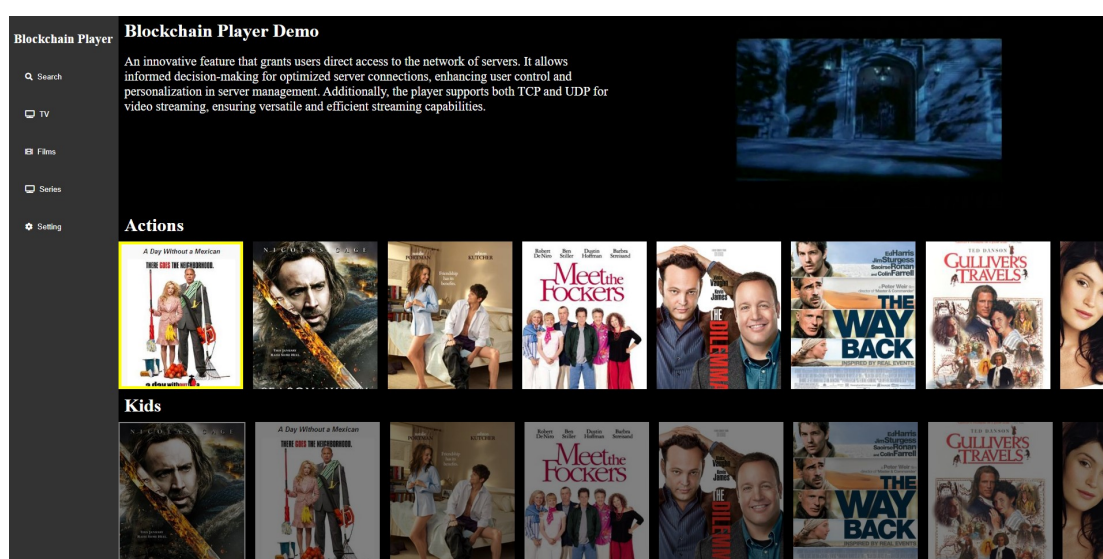
- ezserver automatically refreshes hourly series work folder



11 Middleware

Ezserver middleware platform grants users access to live TV channels, on-demand video content, and additional features like electronic program guides. Our platform 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 Ezserver 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"/>		



12 Blacklist

Blacklist is the protection for illegal connections. There are 2 options to clear blocked IPs.

1. Panel option: Click Management:Blacklist

No.	User	IP	MAC Address	Work Folder	Failed Login times	Available Login times	
1		172.104.210.105	N/A		10	0	✘
2	test	148.101.139.90	N/A		10	0	✘
3	dago	186.149.202.202	N/A		10	0	✘
4		118.193.45.235	N/A		10	0	✘
5		64.62.197.112	N/A	US	10	0	✘
6		205.210.31.93	N/A	CA	10	0	✘
7		205.210.31.93	N/A	CA	10	0	✘
8		87.236.176.220	N/A	BE	10	0	✘
9		87.236.176.247	N/A	BE	10	0	✘
10		87.236.176.248	N/A	BE	10	0	✘

2. SSH option: to clear all blocked IPs

- ✧ login ssh
- ✧ sudo iptables -F
- ✧ cd /home/ezserver_blockchain
- ✧ ./restart.sh



13 DBTool

Migrate Xtream UI / XUI-One / NXT to Ezserver

1. NXT to Ezserver

- **users, resellers and channels migration**
- `cd /home/ezserver_blockchain`
- `./dbtool option dbname`
- ex. 1 (users and resellers migration)
- `./dbtool 3 nxt.sql`
- ex. 2 (users, resellers and channels migration)
- `./dbtool 5 nxt.sql`
- `./restart.sh`

2. Xtream XUI-One to Ezserver

- **users, resellers and channels migration**
- `cd /home/ezserver_blockchain`
- `./dbtool` or `./dbtool dbname`
- ex. 1 (default file: `xstream_ipvtvpro_xui.sql`)
- `./dbtool`
- ex. 2 (default file: `xstream_ipvtvpro_xui.sql`)
- `./dbtool xstream_ipvtvpro_xui.sql`
- `./restart.sh`

3. Xtream UI to Ezserver

- **users and resellers migration**
- `cd /home/ezserver_blockchain`
- `./dbtool` or `./dbtool dbname`
- ex. 1 (default file: `xstream_ipvtvpro_xui.sql`)
- `./dbtool`
- ex. 2 (default file: `xstream_ipvtvpro_xui.sql`)
- `./dbtool xstream_ipvtvpro_xui.sql`
- `./restart.sh`



14 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

API Type	URL
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

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>



15 Auto Backup XML Database

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

- **User, Group and Content XML files**
 - ✧ users/user_profile.xml.
 - ✧ ch_config/group_definition.xml
 - ✧ channel_definition.xml
 - ✧ movie_definition.xml
 - ✧ series_definition.xml
- **User, Group 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.

16 Manual Backup XML Database

Ezserver uses XML format to store user, group 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