



Ezserver VideoCloud Tutorial

Revision: 03/26/24



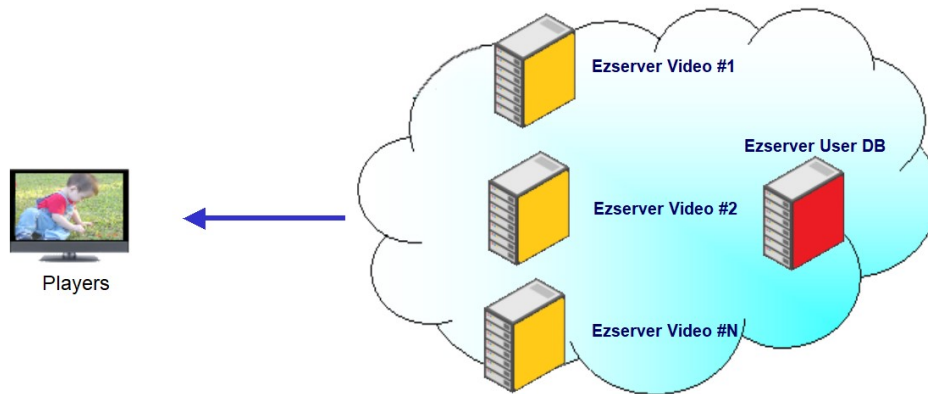
Content

1 Overview	3
1.1 Installation and License activation	5
1.2 Start / Restart / Shutdown	6
1.3 Admin Password / Group	7
1.5 Software Update	8
1.6 User Authorization for Streaming URL.....	8
2.Admin Panel	9
2.1 User Management	11
2.2 Channel Management.....	14
2.2.1 Add new channel.....	14
2.2.2 Import channels by m3u link	15
2.2.3 All SD, HD, FHD channels setting.....	16
2.2.4 Single SD, HD, FHD channel setting	17
2.2.5 Daily Refresh Channel	17
2.3 Movie Management	18
2.3.1. Add TMDB Movie	18
2.3.2. Upload Local movies	21
2.4 Series Management.....	22
2.5 EPG Management	23
2.6 User Agent Management	26
2.7 Reseller Management.....	27
3 Reseller Panel	28
4 Middleware for Apps	29
5 DBTool	30
6 VideoCloud Node Setting	31
7 Work Folder	34
8 Supported Popular Players	37
9 M3U / M3U8 URL for Players	39
9.1 M3U List API	39
9.2 M3U8 List API	40



1 Overview

Cloud video and user servers



Create Your Video Cloud for DDoS Attacks

Ezserver VideoCloud is a Platform as a Service (PaaS) that empowers developers to distribute users, channels, movies, and series across decentralized servers, enhancing the security of user data and content. Additionally, it utilizes the IP addresses of decentralized servers to dynamically assign server IP addresses when delivering content to players. It uses **Blockchain technology** instead of loader balance, CDN technology.

Ezserver utilizes decentralized blockchain technology to distribute user and content databases across multiple servers. This enhances security by preventing hackers from stealing user data or content and provides protection against Distributed Denial of Service (DDoS) attacks.

The User Node serves as the cornerstone for managing user information. It not only safeguards user data but also provides a seamless and user-centric experience, ensuring the utmost privacy and security for every individual within the system.

The Content Node, on the other hand, is the heart of content delivery, capable of streaming both channels and movies with unparalleled speed and reliability. Ezserver ensures that your content is delivered to your audience with exceptional quality and efficiency.

Privacy is of utmost importance in the digital age, and this is where the Reverse Proxy Node comes into play. It acts as a guardian, concealing user identities and ensuring their online activities remain confidential, offering peace of mind in an era where data security is a top



concern.

Additionally, the Proxy Node functions as a versatile VPN server, further fortifying the anonymity of both User and Content Servers. By masking their origins and encrypting data, it creates a secure environment for seamless and confidential content delivery.

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 configuration tutorial:

https://www.ezhometech.com/document/Ezserver_VideoCloud_Configuration.pdf

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



1.2 Start / Restart / Shutdown

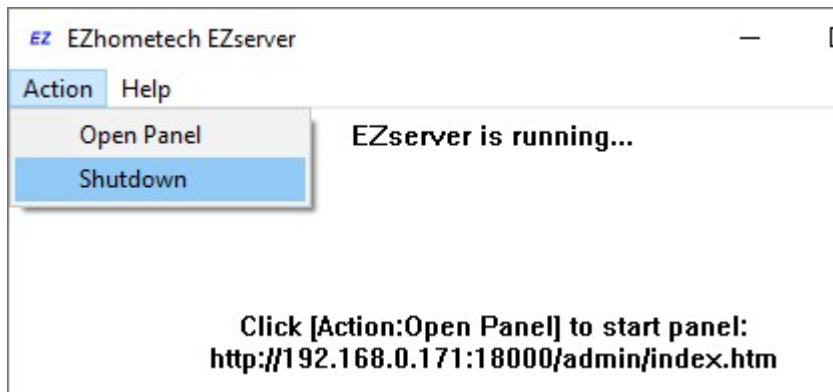
Windows version:

- 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_blockchain folder

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



wait 30~60 seconds to relogin panel.

- Shutdown:
 - ✧ sudo -i



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

1.3 Admin Password / Group

Passowrd Setting

The screenshot shows the 'Users' management page. A dropdown menu is open, and 'Manage Users' is selected. A table lists users with columns for User ID, Password, Group, Channel List, and Owner. A red arrow labeled '1' points to the 'Manage Users' menu item. Another red arrow labeled '2' points to the 'Password' column in the table. A third red arrow labeled '3' points to the 'Add User' button in the top right corner.

User ID	Password	Group	Channel List	Owner
1	root	golden	--	

Group Setting

The screenshot shows the 'Manage Groups' menu item selected. A 'New Group' dialog box is open, showing fields for Group Name, Max Connection, Period(days), and Credit Unit. A red arrow labeled '1' points to the 'Manage Groups' menu item. A second red arrow labeled '2' points to the 'Add Group' button. A third red arrow labeled '3' points to the 'New Group' dialog box. A fourth red arrow labeled '4' points to the 'Group' column in the user table below.

New Group

Group Name	admin_group	Max Connection	1
Period(days)	0	Credit Unit	1

User Table

User ID	Password	Group
1	root	admin_group



1.5 Software Update

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

1.6 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.



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

HTTPS Protocol: (Support Ubuntu 20.04 only)

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

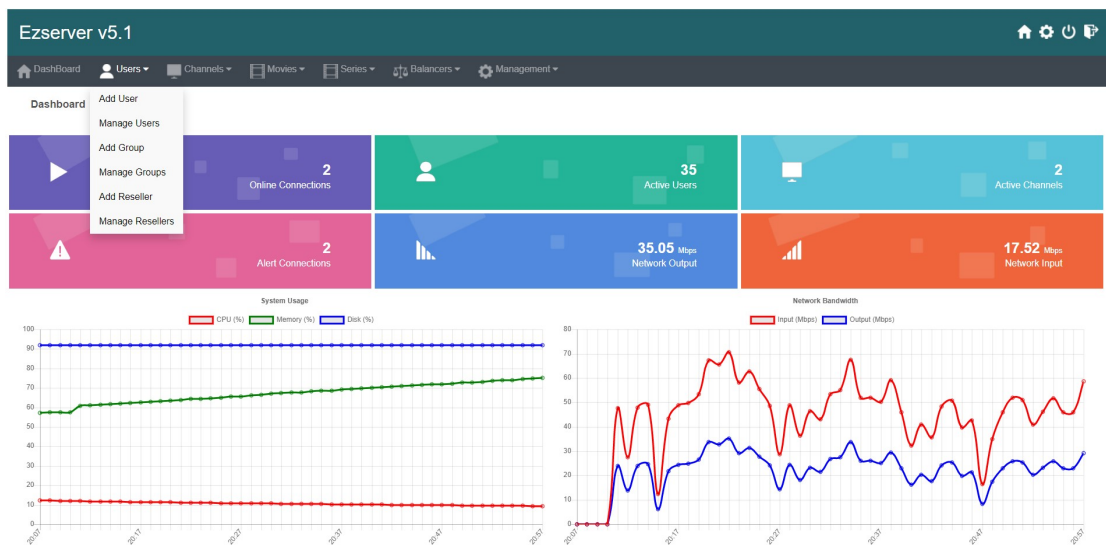
Ex. <http://192.168.0.9:18443/>

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



- **User / Group / Reseller management:** create, modify and delete users, groups, Reseller.
- **Channel / EPG management:** create, modify, delete or import channels,, epg.
- **Movies management:** create, modify, delete or import movies.
- **Series management:** create series.
- **User Agent Protection:** Add, delete User Agent for Player protection
- **Blacklist management:** show and delete Locked IP.
- **Statistics:** show Channel and Movies watched information.
- **Setting**



2.1 User Management

There are 3 options for player activation.

- Click “Add Android Device” and Input Device Mac Address

The screenshot shows a dashboard with a navigation bar containing 'Dashboard', 'Users', 'Channels', 'Movies', and 'S'. Below the navigation bar is a table of users. A dropdown menu is open over the table, showing options: 'Add User', 'Add Android Device', 'Add MAG STB', 'Add Active Code', 'Manage Users', 'Add Group', 'Manage Groups', 'Add Reseller', and 'Manage Resellers'. The table has columns for 'User', 'Password', and 'Group'. The first row shows user '1' with password 'root' and group 'golden'. The last row shows user '8' with MAC address '00:1a:79:00:00:01' and group 'basic'. Below the table, it says 'Showing 1 to 8 of 8 users'.

<input type="checkbox"/>	User	Password	Group ▲▼
<input type="checkbox"/>	1	root	golden ▼
<input type="checkbox"/>	2	test	golden ▼
<input type="checkbox"/>	3	d8:f3:68:2	golden ▼
<input type="checkbox"/>	4	44:d3:ad:	golden ▼
<input type="checkbox"/>	5	c6:19:7a:	golden ▼
<input type="checkbox"/>	6	30:95:87:	golden ▼
<input type="checkbox"/>	7	30:95:87:	golden ▼
<input type="checkbox"/>	8	00:1a:79:00:00:01	basic ▼

Showing 1 to 8 of 8 users

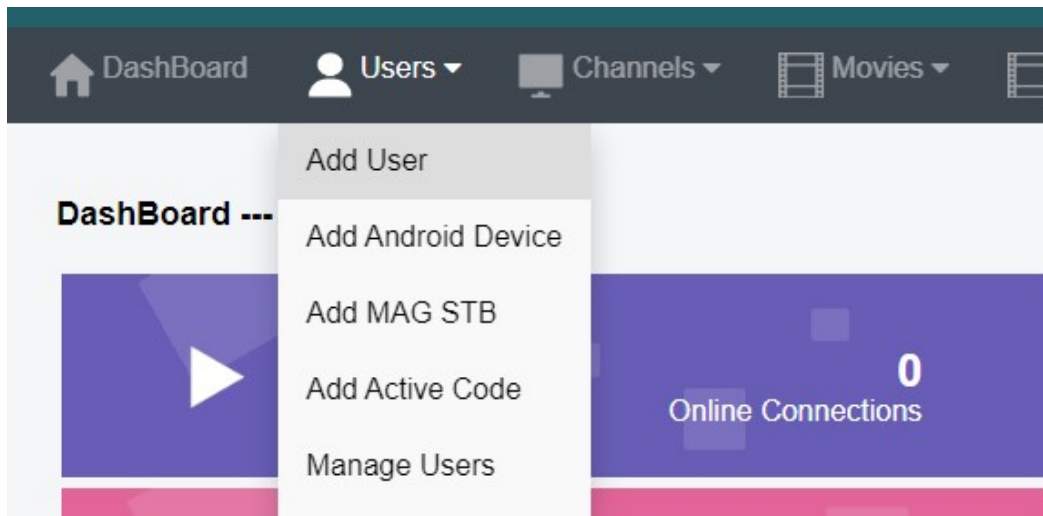
The screenshot shows a form titled 'New Android Device'. The form has several fields: 'User at' (8), 'MAC Address' (00:1A:A1:24:C8:C8), 'Password' (empty), 'Rating Password' (2989770773), 'Group' (basic), 'Level' (User), 'Expired Time' (1 month), 'Connection Limit' (1), and 'IP' (empty). The 'MAC Address' field is highlighted with a red box. At the bottom, there are 'Add' and 'Cancel' buttons.

User at	8	MAC Address	00:1A:A1:24:C8:C8
Password		Rating Password	2989770773
Group	basic ▼	Level	User ▼
Expired Time	1 month ▼	Connection Limit	1
IP		Device Type	android

Add Cancel



- Click “Add User” and Input User name / password



New User

User at	<input type="text" value="18"/>	User Name	<input type="text" value="test"/>
Password	<input type="text" value="1234"/>	Rating Password	<input type="text" value="7402473116"/>
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"/>



- Click “Add Active Code”

<input type="checkbox"/>	User	Username	Password	Group ▲▼
<input type="checkbox"/>	1	root		golden
<input type="checkbox"/>	2	test		golden
<input type="checkbox"/>	3	21	024	basic

New Active Code

User at	<input type="text" value="18"/>	Active Code	<input type="text" value="4866693631"/>
Password	<input type="text"/>	Rating Password	<input type="text" value="1234"/>
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="activecode"/>

- ✧ Active Code is auto generated by system random generator.
- ✧ Each active code is limited by one device.



2.2 Channel Management

2.2.1 Add new channel

1.

The screenshot shows a dashboard with navigation tabs: Dashboard, Users, Channels, Movies, and Series. The 'Channels' tab is active, and a dropdown menu is open over the 'Channel' section. The menu options are 'Add Channel', 'Manage Channels', and 'Manage EPG'. Below the menu is a table with columns for 'Channel Name' and 'Media Source'. The table contains three rows:

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

2.

The screenshot shows the 'New Channel' form with the following fields:

- Channel at: 17
- Channel Name: TV1
- Media Source: http://streamking.dvrDNS.org:25461/77/YKktfq0vRn/19957
- Icon Path: https://cdn1.iconfinder.com/data/icons/metro-ui-dock-icon-set--icons-by-d
- Category: Kid
- Type: Live (dropdown menu is open showing options: Live, Movie, DVR, Inactive, Delay 5 sec.)

Buttons: Add, Cancel



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

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:

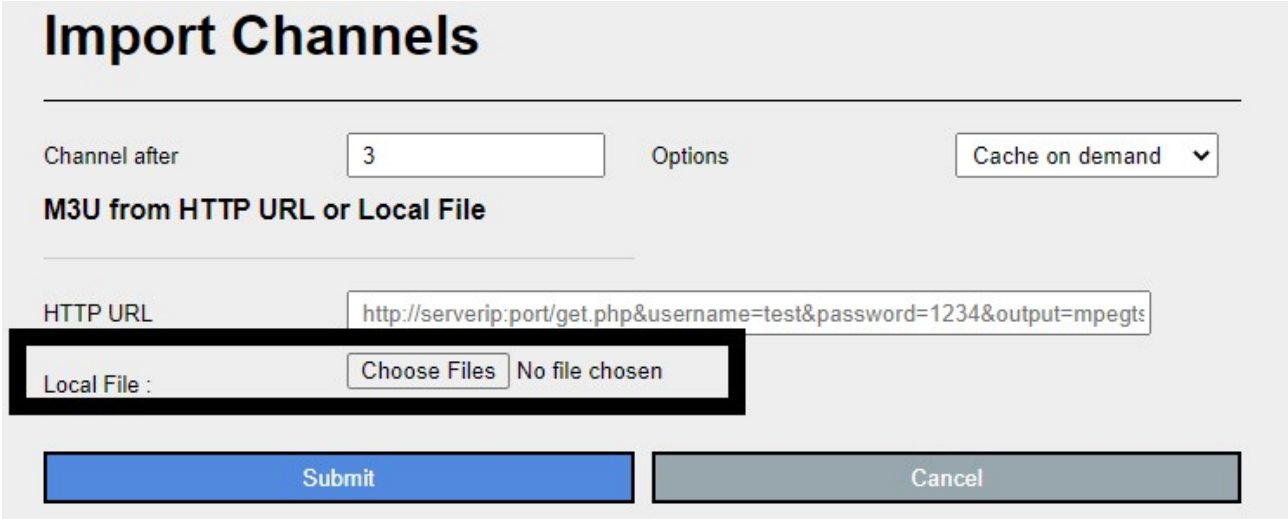
Local File: No file chosen



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.



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_blockchain` folder
- Open `/home/ezserver_blockchain/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.

1. SD channel (~2Mbps)



2. 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_blockchain/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.

Media Sc



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 :

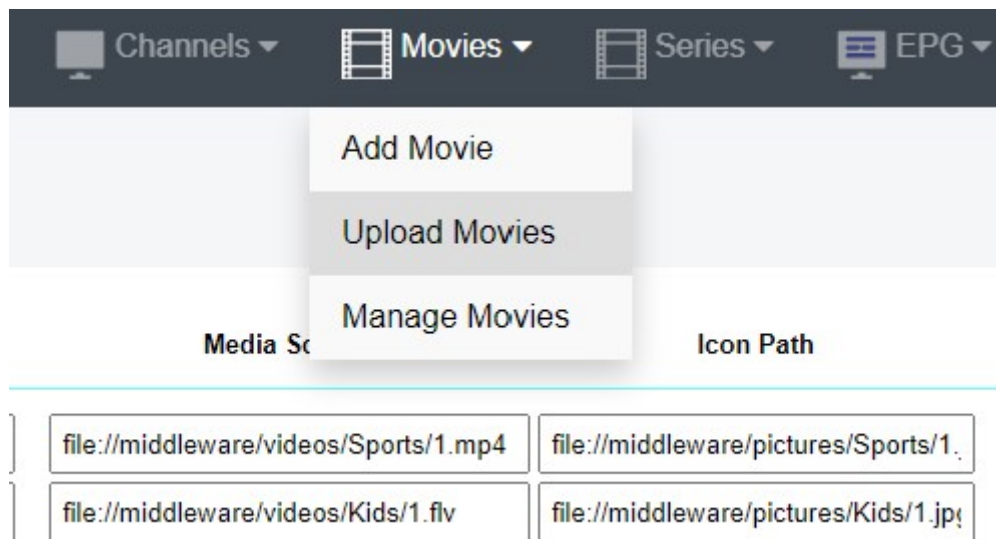
Description

Select one option from the list:

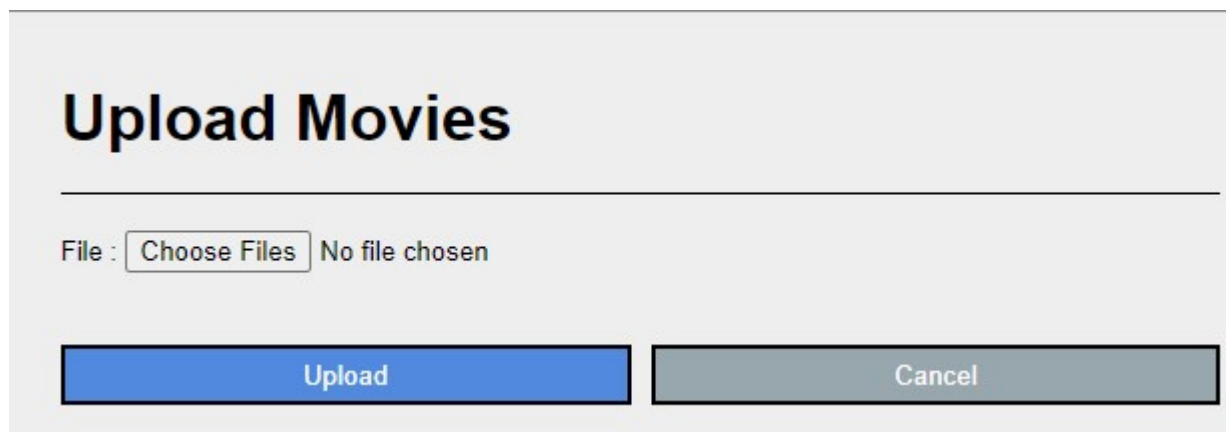


2.3.2. Upload Local movies

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"/>		

Auto Renew: When a user associated with a reseller account expires, the ezserver system automatically adjusts the reseller's credit by deducting an amount equivalent to the expired user's subscription cost.



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.

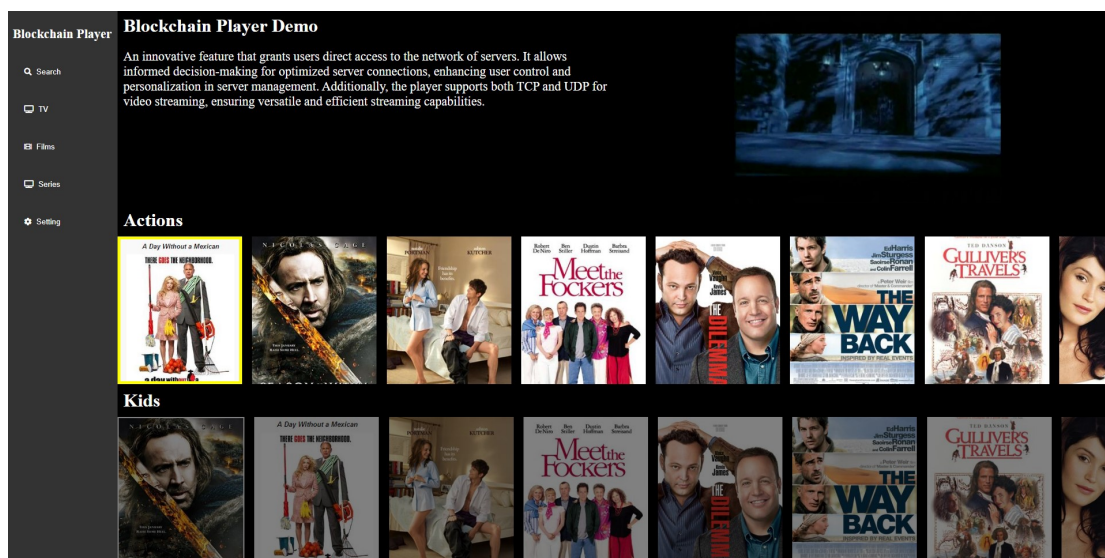
<input type="checkbox"/>	User Name	Password	Gr
<input type="checkbox"/> 1	rt51	9091880686	basic
<input type="checkbox"/> 2	rt52	9091880686	basic
<input type="checkbox"/> 3	rt53	9091880686	basic



4 Middleware for Apps

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.

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"/>		



5 DBTool

Migrate **Xtream UI / XUI-One** Users and Resellers to Ezserver

- `cd /home/ezserver_blockchain`
- `./dbtool` or `./dbtool dbname`
- ex. 1 (default file: `xtream IPTVpro_xui`)
- `./dbtool`
- ex. 2 your dbname
- `./dbtool xtream IPTVpro_xui.sql`
- `./restart.sh`

***** Restart ezserver after dbtool execution *****



6 VideoCloud Node Setting

The blockchain network consists of 4 pivotal nodes, each playing a crucial role in ensuring a robust and secure ecosystem for content delivery. These nodes are **User Server**, **Content Server**, **Proxy Server** and **Reverse Proxy Server**

- **User node** : management user information.
- **Content node** : It can be for channel or movie streaming.
- **Reverse Proxy node** : hide the User.
- **Proxy node** : acts VPN server to hide the User and Content Servers.

- **Proxy node (www.your_domain_name.com)**
 - ✧ Add proxy_server=1 in ezserver_blockchain/ezserver_config.txt
 - ✧ **Delete all users except root and channels, movies and series.**
 - ✧ Enable Main / Slave Node option
 - ✧ Define Control port

Main / Slave Node	<input checked="" type="checkbox"/>	
Control port	<input type="text" value="17100"/>	

- **Reverse Proxy node (www.your_domain_name.com)**
 - ✧ **Delete all users except root and channels, movies and series.**
 - ✧ Enable Main / Slave Node option
 - ✧ Define Control port

Main / Slave Node	<input checked="" type="checkbox"/>	
Control port	<input type="text" value="17100"/>	



- **User Node**

Acts Main node

- ✦ **Delete channels, movies and series.**
- ✦ Enable Main / Slave Node option
- ✦ Define Control port

Main / Slave Node	<input checked="" type="checkbox"/>	
Control port	<input type="text" value="17100"/>	

Otherwise (Slave Node)

- ✦ **Delete channels, movies and series.**
- ✦ Disable Main / Slave Node option
- ✦ Input User Node Domain Name
- ✦ Input User Node Control port

Main / Slave Node	<input type="checkbox"/>	
Main Node Domain Name / IP	<input type="text" value="www.your_domain_name.com"/>	
Main Control port	<input type="text" value="17100"/>	

- **Content Node**

- ✦ **Delete all users except root**
- ✦ Disable Main / Slave Node option
- ✦ Input User Node Domain Name
- ✦ Input User Node Control port

Main / Slave Node	<input type="checkbox"/>	
Main Node Domain Name / IP	<input type="text" value="www.your_domain_name.com"/>	
Main Control port	<input type="text" value="17100"/>	



Example:

Main node

Main / Slave Node

Control port

Streaming port

Slave node

Main / Slave Node

Control port

Main Node Domain Name

Streaming port

Main Control port

When a server has full connections, Ezserver invokes Blockchain function to let other servers serve the new connection and shows protocol **BVP** instead of **HTTP** in current server and **BCP** in another server.

System Setting:
Max. Streaming No.

CNN The 1001th connection requests CNN channel, it will be forwarded to one of Europe servers.

On Demand HLS

Channel SID EPG Channel ID

User Agent Bitrate Tolerance

Catch Up Days Proxy Mode

Input Adapter AES Encryption

Blockchain Region Blockchain Group ID

2nd URL

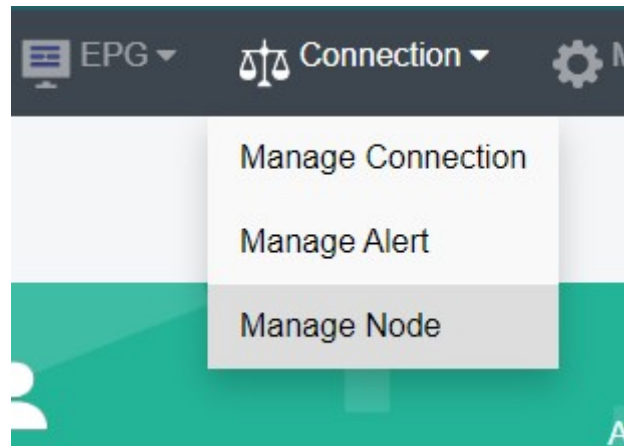
3rd URL



7 Work Folder

Assign movie and series folder path of Content Nodes in Main server Panel.

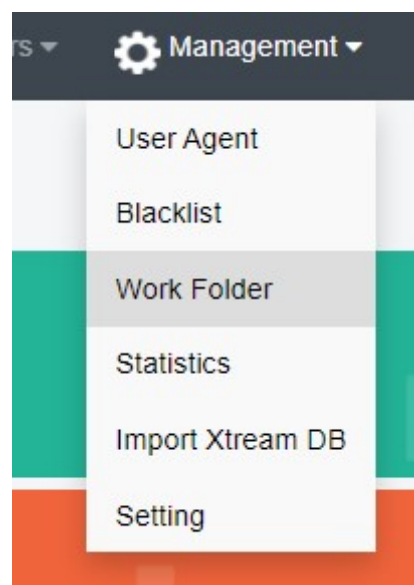
- Check Content Nodes in main server first



Nodes				
No.	Node	Region	Group ID	
1	192.168.0.9	Asia	18000	
2	192.168.0.5	Europe	18000	

Showing 1 to 2 of 2 nodes

- Create Work Folder of Content Nodes in main server





Create Movie Folder

New Folder

Server Name

Folder Type

Selected path

Enabled

- Add new folder (/home/media) in Content Node
- 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



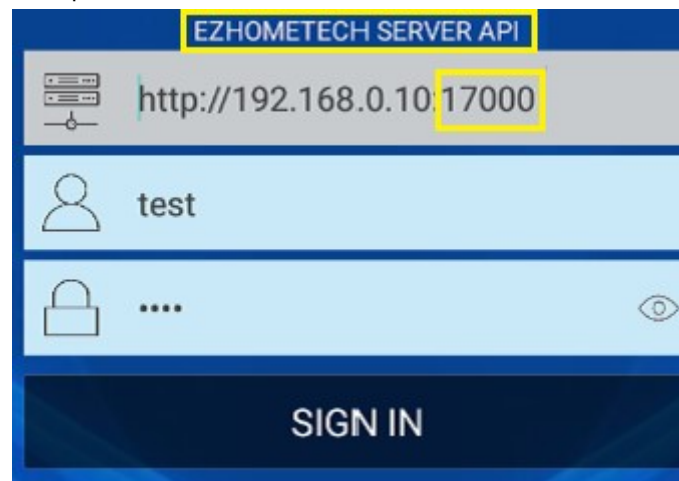
8 Supported Popular Players

XCIPTV

- Select Ezhometech API

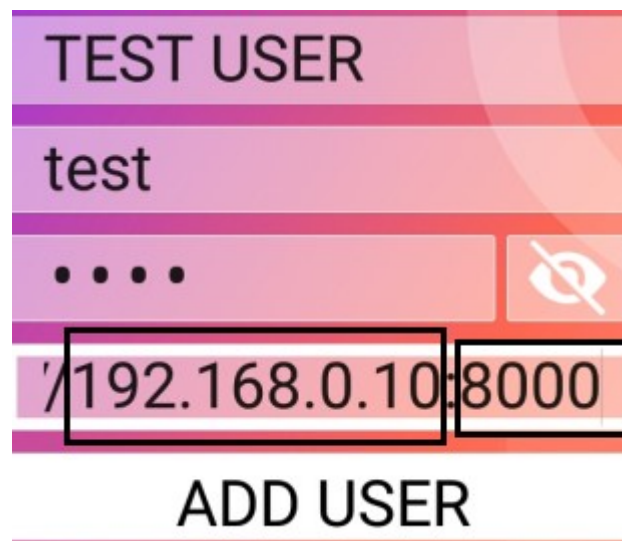


- uses Ezserver API port (17000)



IPTV Smater

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





Mag STB

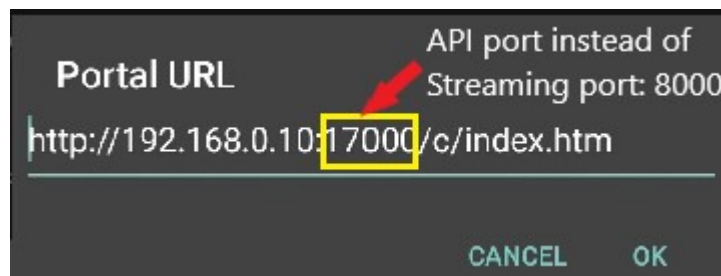
Use Ezserver API port (17000)

- 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>

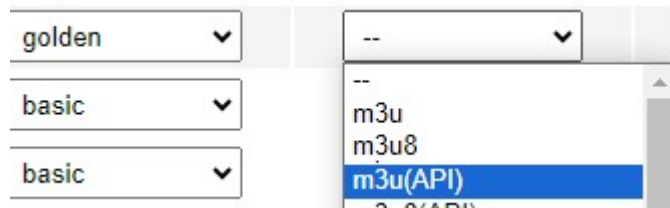




9 M3U / M3U8 URL for Players

9.1 M3U List API

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



Copy the URL to players



9.2 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)

<input type="text" value="golden"/>	<input type="text" value="--"/>
<input type="text" value="basic"/>	<input type="text" value="--"/>
<input type="text" value="basic"/>	<input type="text" value="m3u8(API)"/>

(Note: In the original image, the dropdown menu for the second column is open, showing options: --, m3u, m3u8, m3u(API), and m3u8(API) which is highlighted.)

Copy the URL to players