



P2P Software Developer Kit Guide

Ezserver Panel and Player

Revision: 2021



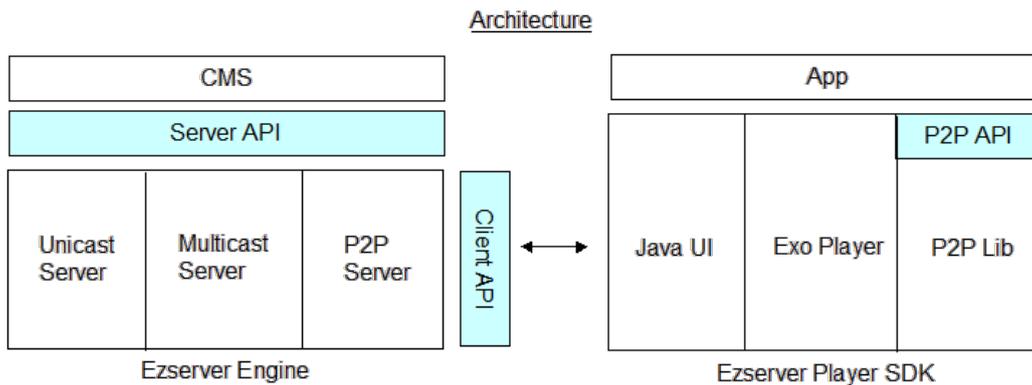
Content

1 Overview of P2P SDK.....	3
1.1 Related Information.....	3
2 Ezserver Panel SDK.....	4
3 Ezserver Player SDK.....	5

1 Overview of P2P SDK

There are two components that developers can access the amazing performance capability of Ezserver:

1. **Ezserver Panel SDK**
2. **Ezserver Player SDK**



1.1 Related Information

Ezserver Forum:

<https://ezserver.createaforum.com/>

Ezserver Server API website

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

Ezserver Client API website:

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

Ezserver User Guide website:

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

2 Ezserver Panel SDK

Ezserver Panel SDK provides video streaming, channel/films/series/users management , Panel Javascript source code, and API.

API has 2 types that are for cloud or app software developers.

1. **Server API** provides API for Cloud applications
2. **Client API** provides API for App in mobile, STB and PC.

File definition:

- **main folder:** administrator management code for channel, movie, series and users
- **reseller_main folder:** reseller management for users
- **ezserver_config.txt:** internal configuration
- **channel_definition.xml:** channel input link and type setting
- **movie_definition.xml:** movie input link and option setting
- **series_definition.xml:** series, season and episode setting
- **admin/menu.js:** panel javascript source code.

Hardware Requirement:

- **Min. Requirement:** Dual-Core, 8GB RAM, 1GB Network card.
- **800 concurrent connections:** Quad-Core, 8GB RAM, 1GB Network card.
- **1,000 concurrent connections:** 8-Core, 64GB RAM, 10GB Network card.
- **5,000 concurrent connections:** 2x6-Core, 128GB RAM, 10GB Network card.

Software Requirement:

- **Linux:** Ubuntu 20.04(Recommended), Debian, Centos
- **Windows:** 64-bits

3 Ezserver Player SDK

Ezserver Player SDK provides 2 code components with exo player that are for channels, films and series.

1. **Java UI** provides App User Interface and video streaming. It includes java source code for customizaiton.
2. **P2P Library** provides native code library for P2P function.

There are 2 folders in **Ezserver_Player_SDK.zip**.

- **ovp3_p2p_EZIPTV_3.1**: Java source code and project
- **stripped_native_libs**: P2P Library for debug and release

Ezserver Player SDK setup

- Open Android Studio
- Click File:New:Import Project
- select ovp3_p2p_EZIPTV_3.1

Complie and Runtime Notes:

- **Q1**: When you click run app in android stuido, it shows the below error:
java.lang.UnsatisfiedLinkError: dalvik.system.PathClassLoader[DexPathList[[zip file "/data/app/eziptv.ovp-2/base.apk"],nativeLibraryDirectories=[/vendor/lib64, /system/lib64]]] couldn't find "libnative-lib.so"

Ans: copy stripped_native_libs folder into ovp3_p2p_EZIPTV_3.1\app\build\intermediates