

EZserver XML Format

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1. Channel Definition (channel_definition.xml)

channel_definition.xml is for the definition of a channel.

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<ch src="rtmp://213.205.104.131/f24_live/f24_livear" category="PC,Android" type
="dvr">RTMPLink</ch>
<ch src="rtmpencoder" category="PC,Android-Adobe_FME">robert</ch>
<ch src="dir://media/videos/Movie" category="iPhone,iPad-HTML5">TSPlaylist</ch>
<ch src="rtp://7001" category="iPhone,iPad-HTML5">TSLiveEncoder</ch>
<ch src="http://192.168.0.7/ch1" category="iPhone,iPad-HTML5">SatelliteTV</ch>
<ch src="udp://9001" category="iPhone,iPad-HTML5">MutlicastEcncoder</ch>
```

<ch> tag supports src, category, rec_folder options.

src option has

For RTP/UDP/HTTP/RTMP/Playlist input.

- RTP syntax : "rtp://port_no"
 - rtp://7001
- UDP syntax : "udp://port_no"
 - udp://7001
- RTMP syntax : "rtmp://url"
 - rtmp://207.182.149.36/live/live1
- HTTP syntax : "http://ip:port_no/path"
 - http://172.16.10.51:7001/1.ch
- Playlist syntax : "dir:/folder_path"
 - dir://media/videos/Movie.

A administrator needs to upload **MPEG2/H264 TS** video into the folder. And the playing sequence of videos is by alphabetical order.

category option is defined for the category of a channel

type option is defined for live, dvr, inactive or delay time.

Channel Name is defined between <ch> and </ch>

2. Channel package (group_definition.xml)

group_definition.xml is to group the channels

```
<?xml version="1.0" encoding="iso-8859-1" ?>
/* Group Name */
<group name="basic">
/* Allowed Channel No. */
<channel>1</channel>
<channel>2</channel>
<channel>3</channel>
</group>
/* Group Name */
<group name="sliver">
/* Allowed Channel No. */
<channel>1</channel>
<channel>2</channel>
<channel>3</channel>
<channel>4</channel>
</group>
/* Group Name */
<group name="golden">
/* Allowed Channel No. */
<channel>1</channel>
<channel>2</channel>
<channel>3</channel>
<channel>4</channel>
<channel>5</channel>
</group>
```

3. Subscriber Profile Definition (user_profile.xml)

user_profile.xml is for the definition of a subscriber

```
<?xml version="1.0" encoding="iso-8859-1" ?>
/* copy the user profile from file to memory per 60 min*/
<refresh>60</refresh>
<userid>root</userid>
<password>1234</password>
/* group is for allowed channel*/
<group>golden</group>
/* for channel expired time*/
<channel_expired_time>12/31/2013</channel_expired_time>
/* vod mode: free, post (increase ppv point per movie), pre (subtract ppv pint per movie) */
<pay_per_view>free</pay_per_view>
/* current vod point */
<ppv_point>2000</ppv_point>
<smart_phone>0988888888</smart_phone>
<tablet>001122334455</tablet>
<desktop>112233445566</desktop>
<tv>112233445566</tv>
<first_name>Admin</first_name>
<last_name>Admin</last_name>
<address>13F-1, No.189,Sec. 2 , Keelung Rd</address>
<city>Taipei</city>
<zip>110</zip>
<tel>02-27354224</tel>
<email>sales@ezometech.com</email>
```

4. Subscriber point log (user_point_log.xml)

user_point_log.xml is to log the watched movie and points

```
<ChargeTime>12/12/2013 15:08:34</ChargeTime>
<IP>192.168.0.2</IP>
<Username>root</Username>
<Movie>/ezhomotech/development/SSP/package/Server
Applications/ezserver/bin/release/testing/ezserver/middleware/videos/Sports/1.mp4</Movie>
<MoviePoint>100</MoviePoint>
<PrevPoint>900<PrevPoint>
<CurrnetPoint>800<CurrnetPoint> /* 900-100=800 */
<ChargeTime>12/12/2013 15:08:34</ChargeTime>
<IP>192.168.0.3</IP>
<Username>robert</Username>
<Movie>/ezhomotech/development/SSP/package/Server
Applications/ezserver/bin/release/testing/ezserver/middleware/videos/Sports/2.mp4</Movie>
<MoviePoint>150</MoviePoint>
<PrevPoint>900<PrevPoint>
<CurrnetPoint>750<CurrnetPoint> /* 900-150=750 */
<ChargeTime>12/12/2013 15:08:34</ChargeTime>
<IP>192.168.0.4</IP>
<Username>susan</Username>
<Movie>/ezhomotech/development/SSP/package/Server
Applications/ezserver/bin/release/testing/ezserver/middleware/videos/Sports/3.mp4</Movie>
<MoviePoint>200</MoviePoint>
<PrevPoint>900<PrevPoint>
<CurrnetPoint>700<CurrnetPoint> /* 900-200=700 */
```

5. Subscriber video watching log (user_watch_log.xml)

user_point_log.xml is to log the watched movie and points

```
/* VOD log */
/* starting log*/
<StartingTime>12/12/2013 15:08:33</StartingTime>
<IP>192.168.0.2</IP>
<Username>root</Username>
<Movie>ezhomotech/development/SSP/package/Server
Applications/ezserver/bin/release/testing/ezserver/middleware/videos/Sports/1.mp4</Movie>
<Duration_Sec>54</Durration_Sec>

/* end log */
<EndTime>12/12/2013 15:08:34</EndTime>
<IP>root</IP>
<Username>root</Username>
<Movie>ezhomotech/development/SSP/package/Server
Applications/ezserver/bin/release/testing/ezserver/middleware/videos/Sports/1.mp4</Movie>

/* IPTV log */
/* starting log */
<StartingTime>12/12/2013 15:08:22</StartingTime>
<IP>192.168.0.5</IP>
<Username>robert</Username>
<Channel>2</Channel>
/* end log */
<EndTime>12/12/2013 15:08:25</EndTime>
<IP>192.168.0.5</IP>
<Username>robert</Username>
<Channel>2</Channel>
```

6. Movie Point Definition (media/eml/movie_fee.csv)

Movie_fee.csv is to define movie path and points

```
refresh time,60,min
/* Movie path, Movie point */
/media/videos/Movie/mp4/1.mp4,2
/media/videos/Movie/mp4/2.mp4,3
/media/videos/Movie/mp4/3.mp4,4
/media/videos/Sports/mp4/1.mp4,3
/media/videos/Sports /mp4/2.mp4,3
/media/videos/Sports /mp4/3.mp4,2
/media/videos/Kids/mp4/1.mp4,4
/media/videosKids/mp4/2.mp4,2
/media/videos/Kids/mp4/3.mp4,4
```