Moodle Video Directory

Yedidia Klein, OpenApp Israel
Some words about OpenApp and Me

- OpenApp is an Open Source Software company located in Jerusalem Israel. (14 people)
- Yedidia Klein (me :) is a co-founder and the CTO of OpenApp for almost 12 years.
- OpenApp has done Moodle integrations and developments in many universities and companies in Israel.
Moodle Video Directory Structure

- Local - Video Directory.
- Module - Player inside course.
- The videos are managed in the directory, a centralized place for all courses.
- Video from this directory can be used in courses.
- Updating video in directory will update it in courses.
Basic Features

- Can be used by any user that belongs to local_video_directory system role.
- Upload any type of video (mp4, wmv, flv, ogv etc...)
- Video is converted for streaming on server side.
- Tagged, Categorized, Renamed.
- Subtitles upload.
Streaming

- Streaming is done using NGiNX and VOD Module.
- Could be streamed in DASH / HLS.
- Adaptive bit rate (ABR) for smooth video on any bandwidth.
- https://nginx.org
- https://github.com/kaltura/nginx-vod-module
Mod_videostream

- This module allows the teacher to insert video into a course.
- Logging video events to Moodle log, play, seek, end.
- Student can add annotations on video timeline for future watching.
- Forked from lemonad/moodle-mod_videofile
Advanced Features

● Studio for online editing videos.
  ○ Crop, Merge two videos.
  ○ Cut, concatenate and change speed of video.
● Auto create subtitles via Google text2speech engine.
● Versions management. (list, restore)
● Download from url or Youtube. (Legal issues)
Some Clients with Active Video System
### List of videos

Free disk space: 567.42G

<table>
<thead>
<tr>
<th>ID</th>
<th>State</th>
<th>Description</th>
<th>Views</th>
<th>Tags</th>
<th>Video length</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Ready + Multi resolution Course: 2 13 17 19 21 23 25 27 29</td>
<td>La Famille Bélier - Je vole (Louane)</td>
<td>12</td>
<td>o'reilly</td>
<td>0:03:34</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ready + Multi resolution Course: 15</td>
<td>אנדרטסו - את מי العراقيוה</td>
<td>2</td>
<td>גרשניק</td>
<td>0:01:32</td>
<td></td>
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<td>9</td>
<td>Ready + Multi resolution</td>
<td>Echo In The Canyon - Movie Trailers</td>
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<td>737</td>
<td>0:02:29</td>
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<td>Ready + Multi resolution</td>
<td>Sonic the Hedgehog - Movie Trailers</td>
<td>2</td>
<td>747</td>
<td>0:02:40</td>
<td></td>
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</tbody>
</table>

Reload | Show all videos
Upload

Dashboard / Video Directory / Upload

Free disk space: 567.42G

- Private

Description

Tags
No selection

Owner
Yedidia Klein

File

Maximum size for new files: Unlimited, maximum attachments: 50

You can drag and drop files here to add them.

Accepted file types:
La Famille Bélier - Je vole (Louane)

mes chers parents je pars je vous aime mais je pars vous n'auriez plus d'enfant ce soir je ne m'enfuis pas je vole comprenez bien je veux sans fumée sans alcool cheval cheval elle m'observait tiers sociaux sans oublier ma mère comme si elle le sentait en fait elle se doutait entendait j'ai dit que j'étais bien tout à fait l'air serein elle a fait comme de rien et mon père des minis à souris

ne pas se retourner enfant de lentilles
<table>
<thead>
<tr>
<th>Time Range</th>
<th>Subtitles</th>
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<tbody>
<tr>
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<td>mes</td>
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<tr>
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<td>chers</td>
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<tr>
<td>2.700s - 2.900s</td>
<td>parents</td>
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<tr>
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<tr>
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<td>pars</td>
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<tr>
<td>4s - 6.900s</td>
<td>je</td>
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<tr>
<td>6.900s - 7.300s</td>
<td>vous</td>
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<tr>
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<td>aime</td>
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<tr>
<td>7.900s - 8.200s</td>
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<td>8.200s - 8.300s</td>
<td>je</td>
</tr>
<tr>
<td>8.300s - 8.600s</td>
<td>pars</td>
</tr>
</tbody>
</table>
Video Editing Studio - Echo In The Canyon - Movie Trailers - iTunes.m4v
- Video has horizontal or vertical black lines.
- Crop to a new version or to a new video.
Enable teachers to edu...
Echo In The Canyon - ...
Who Will Write Our His...
Hail Satan - Movie Trail...
Social Video 1200x700
The Silicon Valley - M...
20th Century Fox
Enable teachers to educate students with Moodle - Dr Martin Dougiamas.mp4
Watch this important video please...

La Famille Bélier - Je Suis (Louane)
pars vous n'aurez plus d'enfant ce soir je ne m'enfuis.
Future and thoughts

● Integration with OpenCast.
● Add API to google translate for multi language subtitles.
● How to manage versions of files in Multiple courses - Do the same with office to PDF files?
Questions ? Stay in touch...

- yedidia@openapp.co.il
- https://github.com/yedidiaklein/moodle-local_video_directory
- https://github.com/yedidiaklein/moodle-mod_videostream