

# Photo Lounge Flow in Zambia

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## **Abstract:**

Zambia is a piece of Conference Management Software. This document is a "How To" guide assisting in the way of keeping track of Volunteer Hours for the Zambia FFF-branch instance for your conference. This is still a work in progress.

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## 1 Introduction

The Photo Lounge is a complex addition to Zambia that might not be used by all groups. Some groups have used it, some have not. Like all optional pieces, this can simply be untouched, and un-setup, and it will not bother anyone. On the other hand, if you wish to use it, and have the ability to host something like a Photo Lounge or Art Gallery or the like, this is the right place to be doing so.

## 2 Basic Setup

Like all sub-sections of Zambia, to activate this you have to make sure you have a number of elements in your con setup in place.

### 2.1 PhaseTypes

A pair of PhaseTypes included in your con. They would be "Photo Voting (17)" and "Photo Submissions (18)".

Toggling the Photo Submission Phase, adds and removes the inclusion of the link to propose yourself as a photo submitter (a public page, which writes to a file, we'll get to that later) and your standard login to include the photo submitting words in the login string. It also allows for the photo submission pages to be active.

Toggling the Photo Voting Phase, adds and removes the links or access to voting for those who are of the right permissions to vote.

### 2.2 PermissionRoles

The three permission roles associated with the Photo Lounge are:

- PhotoSub
- PhotoRev
- SuperPhotoRev

PhotoSub is pretty straight-forward. It is for those who are allowed to submit photos. If they have no other role, then their login will take them directly to the Photo Submissions page. If they do have other roles with the event (like presenting or volunteering) it will add the tab to their tab bar. If they have other super-roles, then, to access the Photo Submission tab, they have to be under the "Participant View" section of the website to be able to submit their photos.

PhotoRev is for those folks trusted with the job of reviewing photos. It should open to the appropriate welcome page, and have the Photo Review tab available to them. That leads to the voting section so they can express their opinions on what might or might not be included in the Photo Lounge. There are still some quirks around voting, and one can game the system, by voting multiple times. This will have to be coded around at some point in the future.

SuperPhotoRev allows one to be able to select the voted on pictures for the lounge, give people permission to be PhotoRev and PhotoSub, and has StaffView. This might want to become more limited, if the Super doesn't have other powers, to limit their access and review. Also the Super should be able to toggle on and off the Phases, but that also is still a work in progress.

## 2.3 ConRoles

There is one con role that works with this, but that is the host of the Photography Lounge, so not directly relevant to this document. See the document on Lounge Hosts.

## 3 Scripts

There are two scripts that are useful/necessary to the well-running of the Photo Lounge Flow. They are:

- `create_thumbnails.sh`
- `create_imagination_files.sh`

The `create_thumbnails.sh` script does just that. Creates the thumbnail files. It should be run periodically on a host that has access to the files, and can run convert from the imagemagick suite of programs to make the smaller, and much more useful, thumbnail files.

The `create_imagination_files.sh` script is a script that will pull all the accepted files into a directory so that the imagination software from <http://imagination.sourceforge.net/> can be used to create the slideshow.

Both are fairly straight-forward and simple, but useful.

## 4 Files

There is a possibility you would want to tweak the values at the top of the `PhotoLoungeSubmit.php` file. They are:

- `$minwidth=1200;`
- `$minheight=1200;`
- `$maxwidth=30000;`
- `$maxheight=30000;`
- `$maxfilesize=6000000;`

and they map to, the minimum width, minimum height (both must be more than), maximum width, maximum height (both must be less than) and maximum file size (must be less than).

## 5 Flow

- The flow starts when the call for Photo Submissions begins.
- The SuperPhotoRev either asks for the phase to be set, or sets the phase to open, so that people might either submit, or apply to submit.
- If self-service selection is enabled, then anyone who has been a Photo Submitter before can self-select into having those permissions again, on their own.
- Anyone can be migrated to be allowed to be a Photo Submitter, again by the SuperPhotoRev.
- If it is desired to just set everyone who has before been a Photo Submitter, to have that bit set for this event (replacing `$conid` with the current `conid`, of course):

SELECT

```
DISTINCT concat("INSERT INTO UserHasPermissionRole VALUES (",badgeid,",41,$conid);")
FROM
    UserHasPermissionRole
WHERE
    permroleid=41;
```

- The PhotoSubs then submit photos:

YourWebPath/webpages/PhotoLoungeSubmit.php

- Once the photos are all submitted or the SuperPhotoRev is done soliciting them, that phase should be closed, and the Photo Voting phase should be initiated.
- This would be a good time to have the create\_thumbnails.sh script run. That will make sure that all the thumbnails are in place, before the next step.
- Folks that either have self-selected, if self-service has been enabled, or have been selected by the SuperPhotoRev may now go and vote on all the pictures:

YourWebPath/webpages/PhotoLoungePictures.php

or by going directly to the individual artist selections:

YourWebPath/webpages/PhotoLoungeVote.php

- Once sufficient pictures have been voted on, the voting phase can close.
- The selection process, of the pictures that are voted on have several steps, some of which can go in various orders, to be determined by the SuperPhotoRev.
- View and select which of the voted-upon sets of pictures should be included into the lounge:

YourWebPath/webpages/PhotoLoungeCollectVotes.php

- Using the contact sheet, get in touch with all the appropriate PhotoSub folks to let them know what was selected.

YourWebPath/webpages/PhotoLoungeContactSheet.php

- If there are any changes, they can be managed from the contact sheet:

YourWebPath/webpages/PhotoLoungeContactSheet.php

the view of the voted on pictures:

YourWebPath/webpages/PhotoLoungeCollectVotes.php

or the report that also has the same information, without the possible confusion of changing what was selected:

YourWebPath/webpages/genreport.php?reportname=picturesubmiswvote

- Once the photos are all selected, this is a good time to run the create\_imagination\_files.sh script so that there is a directory to pull the appropriate files from, and create the slideshow from.

## 6 Using the imagination software

- Create a new slideshow: VOB/576 HD, no rescale, background=black
- Import the images from the directory created by the create\_imagination\_files.sh script (probably Local/\$conid/Photo\_Lounge\_Accepted)
- Select all the images, and set the slide duration to 5.
- Select all the images, and set a random transition, to be modified.
- Select the speed (4)
- Go through and fix all the transitions
- Add the appropriate music
- Export to a VOB file

### 6.1 File excerpt:

```
[slideshow settings]
video format=576
background color=0;0;0;
distort images=false
number of slides=75

[slide 1]
filename=/home/dkap/hcarperoot/Downloads/PhotoLounge/Anthelian_1_mg_7182a.jpg
angle=0
duration=5
transition_id=13
speed=4
no_points=0
anim id=0
anim duration=1
text pos=4
placing=0
font=Sans 12
font color=0;0;0;1;
font bgcolor=1;1;1;1;
```

## 7 Convert VOB to mpeg/avi

- `ffmpeg -i FFF??_Photo_Lounge.vob -f avi -c:v mpeg4 -b:v 800k -g 300 -bf 2 -c:a libmp3lame -b:a 128k FFF??_Photo_Lounge.avi`
- `cp FFF??_Photo_Lounge.vob FFF??_Photo_Lounge.mpeg`

## 8 Load onto Devices

- Thumb Drives: Pictures into Pictures, only the mpeg in Movies

- Pi Devices: Everthing into local Pictures, mpeg into sub Movie diretory in Pictures.