# Prerequisite:

install python 2.7 of your os from https://www.python.org/ on your DIT machine.

# Pairs organizing

v1.00
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After the pairs are acquired via LSTL (https://github.com/isVoid/LSTL) you will have a folder like this:
ShotFolder
---DSC00001.ARW
---DSC00001.JPG
---DSC00002.ARW
---DSC00002.JPG
…
(The numbering maybe different as it may not start from 00001 all the time.)

In normal circumstances, DSC00001 (first frame) should be a noisy image – since LSTL first shoot short exposure, then shoot long exposure.

## Organizing rule:

1. Separate JPG and ARW. Copy all RAW files to your backup location. Which will look like:
ShotFolder_backup
---DSC00001.ARW
---DSC00002.ARW
…

2. Perform this checklist:
a. The file count in your backup folder should be an even number.
b. The first frame is a noisy image
c. The second frame is a clean image matching the scene to the first frame.

3. Open a command prompt in windows or terminal in macos, enter where organizer.py is, and run:
*python organizer.py*

4. You will need to input the following information:
a. Where your pairs are (this can be found from your folder property):
Example macos input: /volume/backup/2017_12_01_testshot/
Example windows input: E:\backup\2017_12_01_testshot\
b. What's the name of your shot?
Example input: testshot

5. After step 4 the script will organize the folder into the following structure.
2017_12_01_testshot
---Clean
---testshot_c_00001.ARW
---testshot_c_00002.ARW
…
---Noisy
---testshot_n_00001.ARW
---testshot_n_00002.ARW

6. Perform sanity checks:
    a. The file count in Clean/ and Noisy/ is equal
    b. The first frame in Clean/ matches with that in Noisy/

## FAQ:

1. What about JPG?
It’s up to you. Organizer.py also supports JPG organizing.

2. What if my first frame is not noisy?
This is usually due to you snapped few images before the real shoot begins. Find where the real shot starts, and copy from there.