DupLichaSe vo.1.**

(Simple Duplicate File detector with Semi-automatic Suggestion System)

The Dirty MANUAL . . . v2 ---> by Timothy

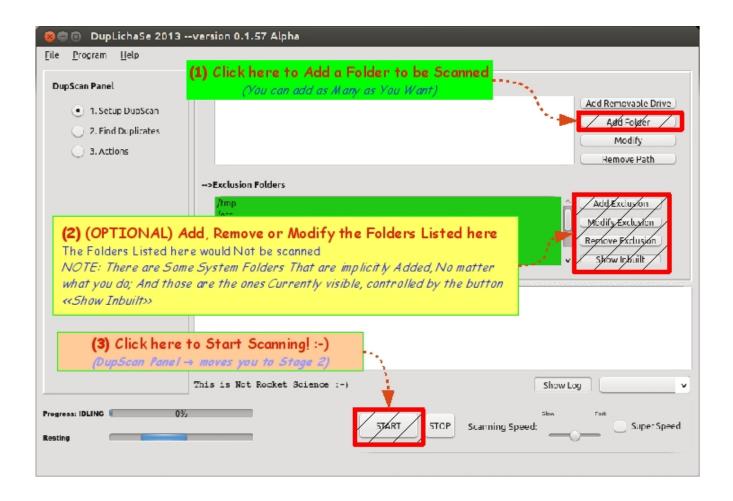
in Memory of my Late Dad, "Prof. M. I. Onogu" who passed away on 6th May, 2013

<<Note This is NOT a comprehensive MANUAL>> It was written under 30 mins!! just to meet a deadline... please refer to http://www.sourceforge.net/projects/duplichase for up to date Manual or my blog...

1 Minute Tutorial

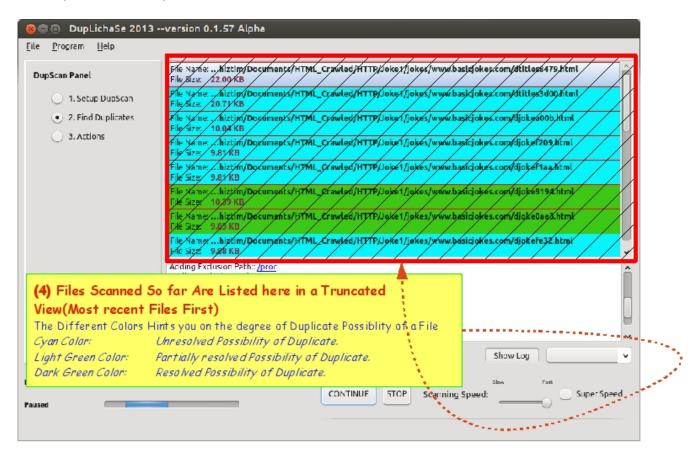
Stage 1 → Setup

The Software starts with this Window, this is where you must select Folders to be scanned for Duplicate files.



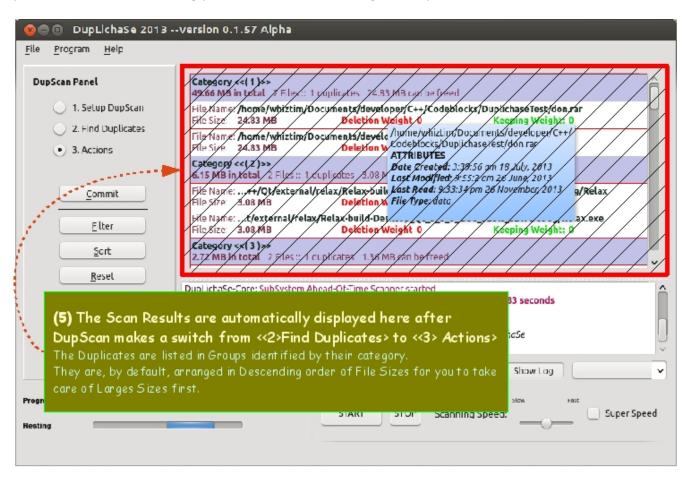
Stage 2 → Find Duplicates

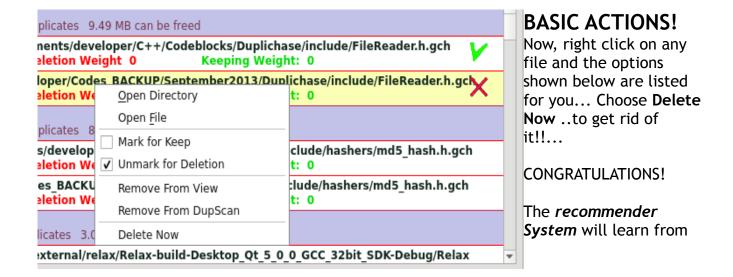
After clicking start, DupScan automatically changes the view to **(2) Find Duplicate** as shown below... Progress can be viewed in RealTime(slower);... or off realtime(faster) by clicking on **Super Speed**. Speed can also be variated to lessen or increase the scan speed at the expense of CPU power and Disk access



Stage 2 → Actions

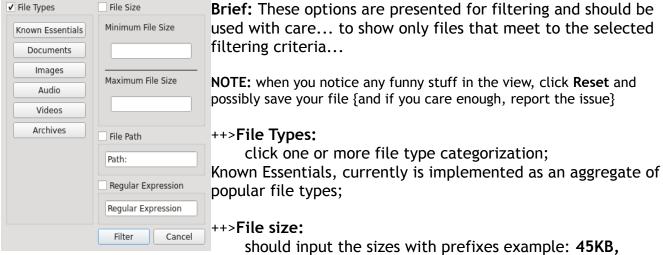
After scanning is complete, DupScan automatically changes the view to (3) Actions as shown below... This is a very intuitive and non interfering interface; Here, you can take all your decisions concerning your file; from, deleting to Recycle Bin or Automatic Selections...





your actions and update the Deletion Weight and Keeping Weight.

Filter:



1.322GB, 23453B are all acceptable and conversions will be appropriately made by the underlying subsystem.

++>File Path:

should show only the files that are in the path inputed.

++>Regular Expression:

Show only files that matches the PERL standard Regex pattern.

FAQ

DupLichaSe just crashed what happend?

Oopsie!! I deeply apologize for that. Though That's naturally what you should expect from Software in Alpha releases... The DupLichaSe is still undergoing some refinements and bug fixes and testing. DupLichaSe has somewhat close to 11, 000 lines of code... about 9,000+ useful.. And it's not so easy. It's worth mentioning that I initially started writing this Software as a toy program to experiment with a few C++11 features and at the same time remove duplicate files from my System... ..but due to a few events in my Life, I decided to take it make it usable for other non-techies... So, by my standards, it's Code base is horrible well, I have been doing some refactoring work... Mind you, I only work on DupLichaSe in my spare time, which is hard to come by. BUT it shouldn't prevent you from reporting issues

Why does DupLichaSe tend to hang sometimes?

Most times, the slow rate of reading files from Hard disk is the cause... Larger files will halt DupLichaSe's scan progress for longer periods than smaller files. On the other hand There will always be a NON-RESPONSIVE delay after scanning has finished, just before Action view is shown... The delay time is proportional to the amount of duplicate Files. This may be between <1sec to minutes

Can I get False positives from DupLichaSe?

Yes, but That is a very very low probability. . . which is even dependent on the File Size, here is a table that summarizes a quick and dirty probability distribution(not statistically accurate, but a blind estimate).. In reality, you only need to watch out for small sized files, (files less than 10KB)....

S/N	File Size	False positive probability (average)
1	1byte ~ 1KB	0.0000976562
2	1KB ~ 10KB	0.000000244141
3	10KB ~ 100KB	0.00000000007
4	100KB ~ 2MB	0.0000000000000847
5	2M ~ 100MB	0.00000000132
6	100MB+	0.00000000323

Can I undelete any file deleted with DupLichaSe?

Yes, you can. AS a matter of principle, DupLichaSe is VERY CAREFUL with EVERYFILE it encounters. Any File deleted with via DupLichaSe goes to the Recycle bin or trash... if it cannot, the file will NOT be deleted!.. It is your responsibility to delete them from your trash can!

What detection algorithm does DupLichaSe use?

A very simple inductive heuristics... Let $\bf A$ and $\bf B$ represent two files being compared by the Software.... here is what happens

- if the *file size of* **A** is equal to the *file size of* **B**, then **A** and **B** are possible duplicates.
- Then if the hash value of the first (x)% of a forward read of A is equal to the hash value of the first (x)% of a forward read of B, then A and B have increased chances of being duplicates. Where (x) varies from 100 to 10 and is dependent on file sizes...
- Then if the hash value of the first (y)% of a backward read A is equal to the hash value of the first (y)% of a backward read of B, then A and B have extremely high chances being duplicates. (more than (99%). Where (y) varies from 100 to 20 and is dependent on file sizes...
- Lastly, binary comparison, which is currently disabled... but a tool may be provided for that

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- +Haruna Manzo Manzo:
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- +Aderonke Omole;
- +Onmikpa Ogah;
- +Halima Umar;
- +Ebi Laffin;

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Finally but not religiously,

I acknowledge and appreciate God whom has given me this gift of Life, purpose, and passion. I acknowledge and appreciate Jesus Christ of whom has given me the best gift in Life, FREE access to the throne of God.

I acknowledge and appreciate my direct Boss, the Holy Spirit whom has been my guide, friend.