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terrywbrady

Georgetown-University-Libraries / **File-Analyzer**

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Terry Brady edited this page on Aug 18, 2014 · 66 revisions

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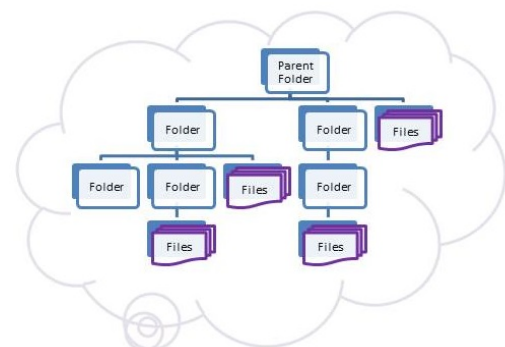
The File Analyzer is a general purpose desktop (and command line) tool designed to automate simple, file-based operations. The File Analyzer assembles a toolkit of tasks a user can perform.

The tasks that have been written into the File Analyzer code base have been optimized for use by libraries, archives, and other cultural heritage institutions.

See [User Interface Overview](#) for user instructions.

Purpose of the File Analyzer

Imagine that you have a collection of files spread across multiple directories



You have a collection of files and you need to do something with those files...

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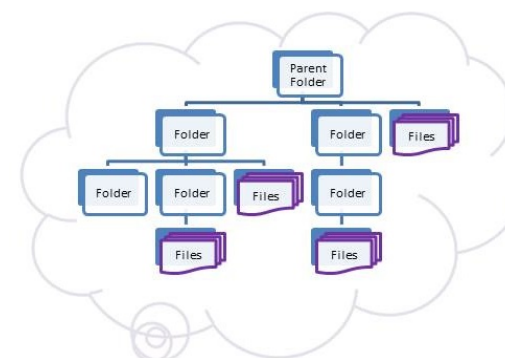
- File-Analyzer-Training-Code4Lib-2015

Clone this wiki locally

<https://github.com/Georgetown-University-Libraries/File-Analyzer/wiki>

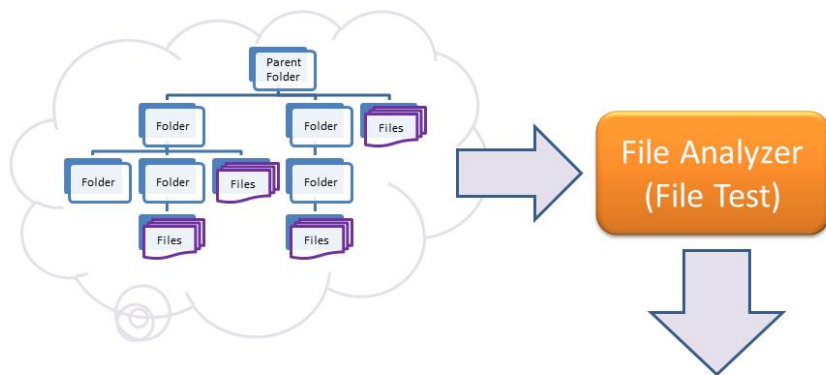
Clone in Desktop

What you might want to do with each file



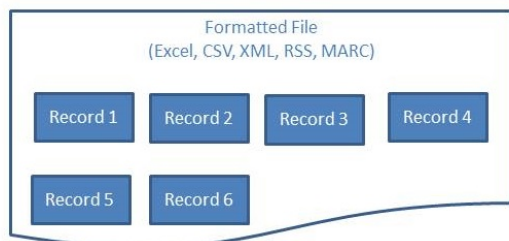
1. Identify which files meet a specific criteria: Pass/Fail
2. Extract information about each file
3. Convert each file into a new format

The File Analyzer can scan your files and perform a [File Test Rule](#) on each file



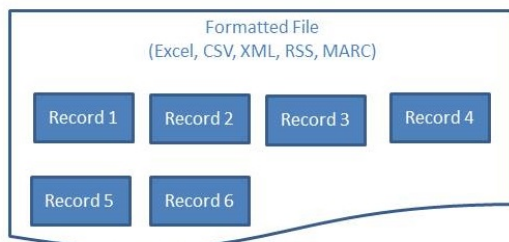
File Name	Status	Author	Title	Size	Message
File1.pdf	PASS	Author 1	Title 1	1.2 MB	
File2.pdf	FAIL		Title 2	2.3 MB	No Author
File3.pdf	PASS	Author 3	Title 3	1.7 MB	
File4.pdf	WARN	Author 4	Title 4	11.2 MB	Large File

Imagine instead that you have a single file containing multiple records



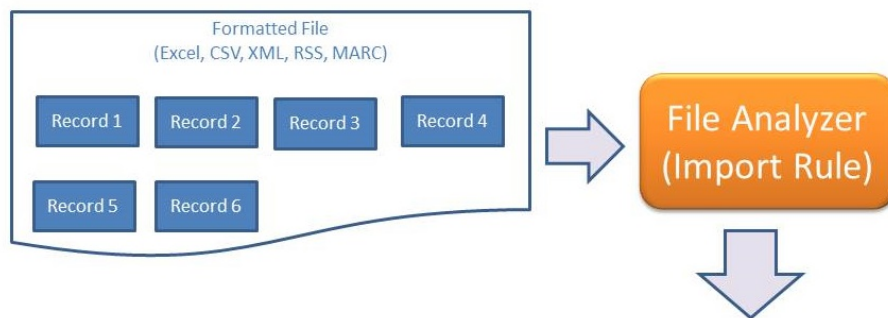
You have a formatted file containing of several records and you need to do something with each of those records...

What you might want to do with this file of records



1. Identify records that meet a certain criteria
2. Extract information about each record
3. Generate a new file from the individual records

The File Analyzer can apply an **File Import Rule against every record and generate a report**



Record	Status	Author	Title	Message
00011	PASS	Author 1	Title 1	
00014	FAIL		Title 2	No Author
00120	PASS	Author 3	Title 3	
00121	WARN	Author 4A	Title 4	Large File

The results of multiple File Analyzer operations can be merged for comparison purposes

File Name	Status	Author	Title	Size	Message
File1.pdf	PASS	Author 1	Title 1	1.2 MB	
File2.pdf	FAIL		Title 2	2.3 MB	No Author
File3.pdf	PASS	Author 3	Title 3	1.7 MB	
File4.pdf	WARN	Author 4	Title 4	11.2 MB	Large File



What is the File Analyzer?

Desktop Application written in Java

What does it do?

- Scans a file system and performs a [File Test Rule](#) on files
- Imports a file with a [File Import Rule](#), and performs an action on records within the file
- Presents summary results that can be filtered, sorted, and exported
- Results Merging

Customizable

- Easy to add additional rules to the application to implement local business rules
- Same UI for all tasks

A command-line interface is also available to automate tasks that are run frequently.

Benefits of the File Analyzer?

The File Analyzer provides a common interface for simple automation of tasks.

- Present tasks in a simple User Interface
- Reduce learning curve when deploying a new task
- New tasks are easy for a user to locate

New File Analyzer rules can be written quickly and easily.

Read [File Analyzer Stories](#) describing the problems that have been solved with the application.

More Information

- [File Analyzer Component Packages](#)
- [Installation instructions](#)
- [File Analyzer Stories](#)
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