Docs » Welcome to FSCrawler's documentation!

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Warning

This documentation is for the version of FSCrawler currently under development. Were you looking for the documentation of the latest stable version?

Welcome to the FS Crawler for Elasticsearch.

This crawler helps to index binary documents such as PDF, Open Office, MS Office.

Main features:

- Local file system (or a mounted drive) crawling and index new files, update existing ones and removes old ones.
- Remote file system over SSH crawling.
- REST interface to let you "upload" your binary documents to elasticsearch.

Note

FS Crawler 2.7-SNAPSHOT is using Tika 1.22 and:

- Elasticsearch Rest Client 7.3.0 for Elasticsearch V7.
- Elasticsearch Rest Client 6.8.1 for Elasticsearch V6.
- Elasticsearch Rest Client 5.6.15 for Elasticsearch V5.

Installation Guide

- Download FSCrawler
- Running as a Service on Windows
- Upgrade FSCrawler
 - Upgrade to 2.2
 - Upgrade to 2.3
 - Upgrade to 2.4
 - Upgrade to 2.5
 - Upgrade to 2.6

- Getting Started
 - Start FSCrawler
 - Searching for docs
 - Ignoring folders
- Crawler options
- OCR integration
 - OCR settings
 - Disable/Enable OCR
 - OCR Language
 - OCR Path
 - OCR Data Path
 - OCR Output Type
 - OCR PDF Strategy
- Starting with a REST gateway
- Supported formats
- Tips and tricks
 - Moving files to a "watched" directory
 - Indexing from HDFS drive
 - Using docker

Administration Guide

- Status files
- CLI options
 - Upgrade
 - Loop
 - Restart
 - Rest
- JVM Settings
- Configuring an external logger configuration file
- Job file specification
- The most simple crawler
- Local FS settings
 - Root directory
 - Update rate
 - Includes and excludes
 - Filter content

https://fscrawler.readthedocs.io/en/latest/

- Indexing JSon docs
- Indexing XML docs
- Add as Inner Object

- Dealing with multiple types and multiple dirs
- Dealing with multiple types within the same dir
- Using filename as elasticsearch _id
- Adding file attributes
- Disabling raw metadata
- Disabling file size field
- Ignore deleted files
- Ignore content

Index folders

- Continue on Error
- Language detection
- Storing binary source document
- Extracted characters
- Ignore Above
- File checksum
- Follow Symlinks
- SSH settings
 - Username / Password
 - Using Username / PEM file
- Elasticsearch settings
 - Index settings
 - Index settings for documents
 - Index settings for folders
 - Mappings
 - Bulk settings
 - Using Ingest Node Pipeline
 - Node settings
 - Using Credentials (X-Pack)
 - SSL Configuration
 - Generated fields
 - Search examples
- REST service
 - FSCrawler status
 - Uploading a binary document
 - Simulate Upload
 - Document ID
 - Additional tags
 - Specifying an elasticsearch index
 - Enabling CORS
 - REST settings

Developer Guide

- Building the project
 - Clone the project
 - Build the artifact
 - Integration tests
 - Run tests from your IDE
 - Run tests with an external cluster
 - Using security feature
 - Tests options
 - Check for vulnerabilities (CVE)
- Writing documentation
- Release the project

License

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Incompatible 3rd party library licenses

Some libraries are not Apache2 compatible. Therefore they are not packaged with FSCrawler so you need to download and add manually them to the lib directory:

- for JBIG2 images, you need to add levigo-jbig2-imageio:2.0 library
- for TIFF images, you need to add jai-imageio-core:1.4.0 library
- for JPEG 2000 (JPX) images, you need to add jai-imageio-jpeg2000:1.3.0 library

See pdfbox documentation for more details.

Special thanks

Thanks to JetBrains for the IntelliJ IDEA License!

