Indexer ses documents bureautique

avec la suite Elastic et FSCrawler

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Developer I Evangelist, Community

@dadoonet

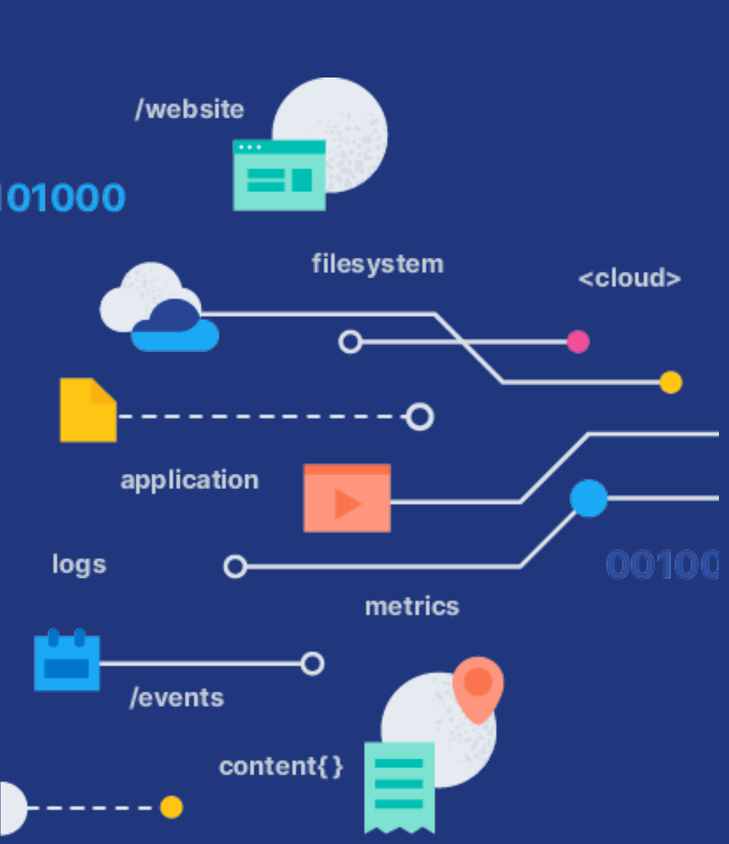
https://github.com/dadoonet/JDLL

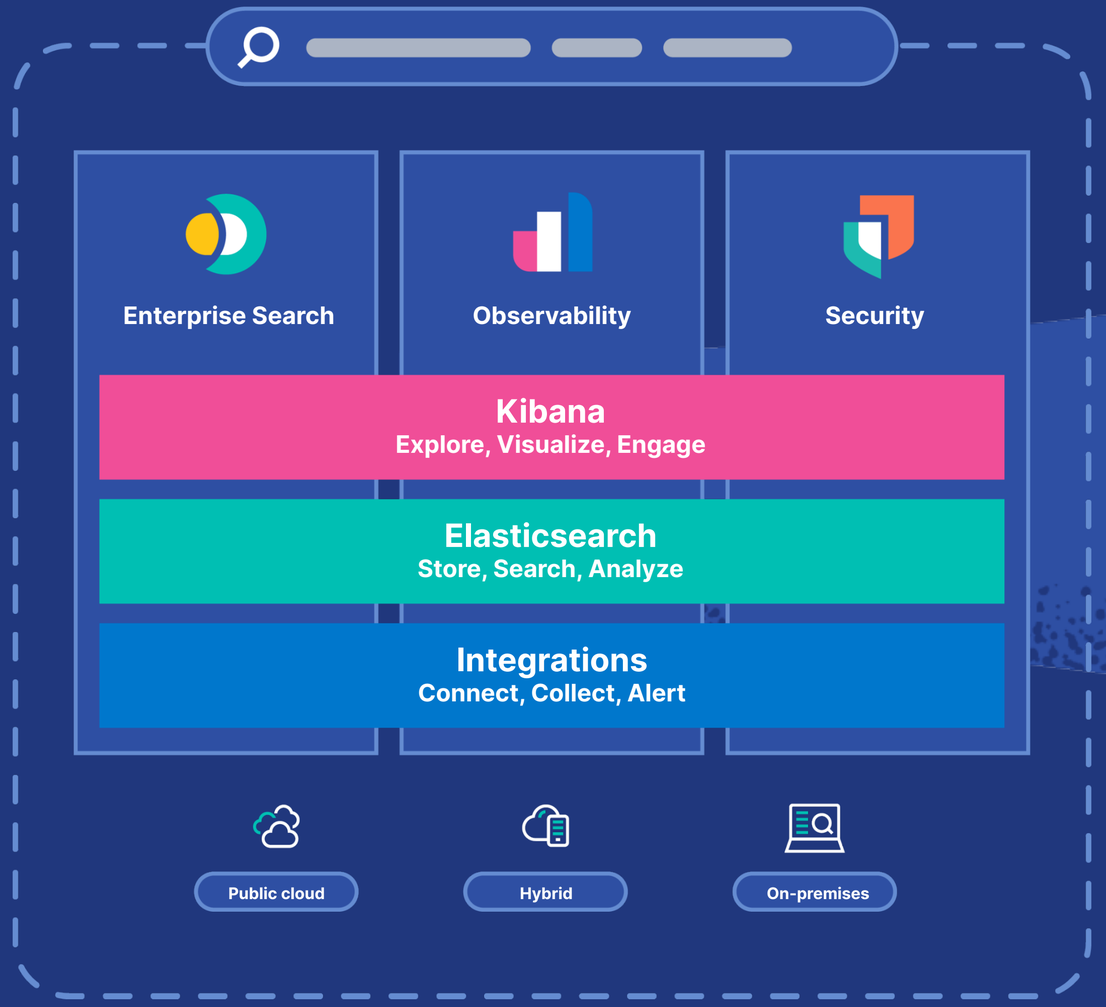
Lab 0

setup

https://github.com/dadoonet/JDLL

The Elastic Search Platform





elastic

Lab 1

indexing json documents

ingest-attachment processor

extracting from BASE64 or CBOR

The Apache Software Foundation

Apache Tika - a content analysis toolkit

The Apache Tika™ toolkit detects and extracts metadata and text from over a thousand different file types (such as PPT, XLS, and PDF). All of these file types can be parsed through a single interface, making Tika useful for search engine indexing, content analysis, translation, and much more. You can find the latest release on the download page. Please see the Getting Started page for more information on how to start using Tika.

The Parser and Detector pages describe the main interfaces of Tika and how they work.

For more in-depth documentation, see our wiki, especially for tika-server.

If you're interested in contributing to Tika, please see the Contributing page or send an email to the Tika development list.

Tika is a project of the Apache Software Foundation, and was formerly a subproject of Apache Lucene.

Latest News

2 May 2022: Apache Tika Release

Apache Tika 2.4.0 has been released! This release includes new mime detection for http-responses, frictionless data packages, DGN files and others. Added basic parsers for WARC and WACZ. Added configuration for metadata write filters, custom content handler decorators and

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Please note that Apache Tika is able to detect a much wider range of formats than those listed below, this page only documents those formats from which Tika is able to extract metadata and/or textual content.

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Parsing a stream

and getting content and metadata

```
static void extractTextAndMetadata(InputStream stream) throws Exception {
    BodyContentHandler handler = new BodyContentHandler();
    Metadata metadata = new Metadata();
    try (stream) {
        new DefaultParser().parse(stream, handler, metadata, new ParseContext());
        String extractedText = handler.toString();
        String title = metadata.get(TikaCoreProperties.TITLE);
        String keywords = metadata.get(TikaCoreProperties.KEYWORDS);
        String author = metadata.get(TikaCoreProperties.CREATOR);
    }
}
```

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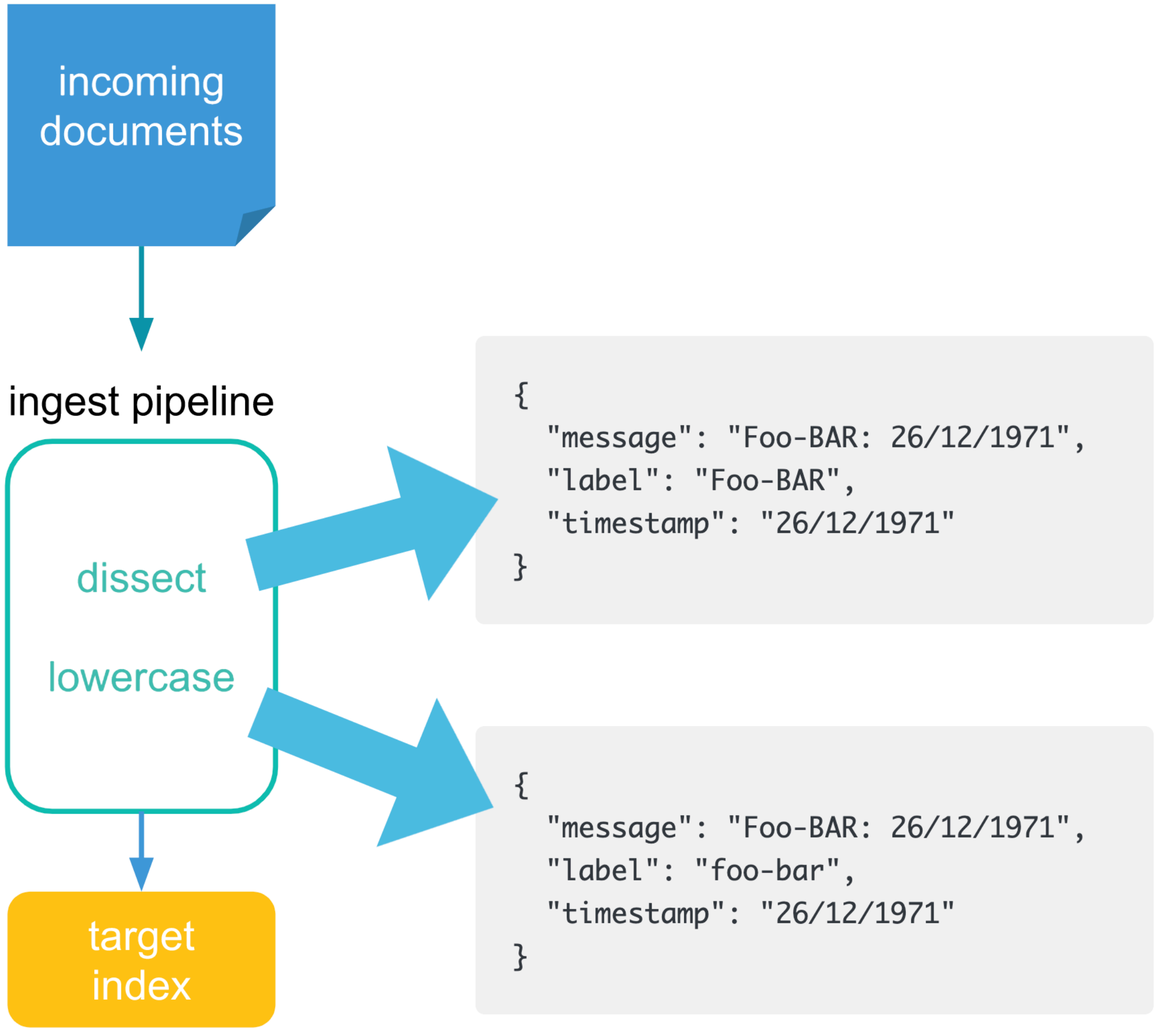
An ingest pipeline

```
{
  "message": "Foo-BAR: 26/12/1971"
}
```



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ingest-attachment processor

using Tika behind the scene

Example

edit

If attaching files to JSON documents, you must first encode the file as a base64 string. On Unix-like systems, you can do this using a `base64` command:

```
base64 -in myfile.rtf
```

The command returns the base64-encoded string for the file. The following base64 string is for an `.rtf` file containing the text `Lorem ipsum dolor sit amet`:
`e1xydGYxXGFuc2kNCkxvcmVtIGlwc3VtIGRvbG9yIHNpdCBhbWV0DQpccGFyIH0=`.

Use an attachment processor to decode the string and extract the file's properties:

```
PUT _ingest/pipeline/attachment
{
  "description" : "Extract attachment information",
  "processors" : [
    {
      "attachment" : {
        "field" : "data",
        "remove_binary": false
      }
    }
  ]
}
PUT my-index-000001/_doc/my_id?pipeline=attachment
{
  "data": "e1xydGYxXGFuc2kNCkxvcmVtIGlwc3VtIGRvbG9yIHNpdCBhbWV0DQpccGFyIH
```


Most Popular

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Intro to Kibana

VIDEO
ELK for Logs & Metrics

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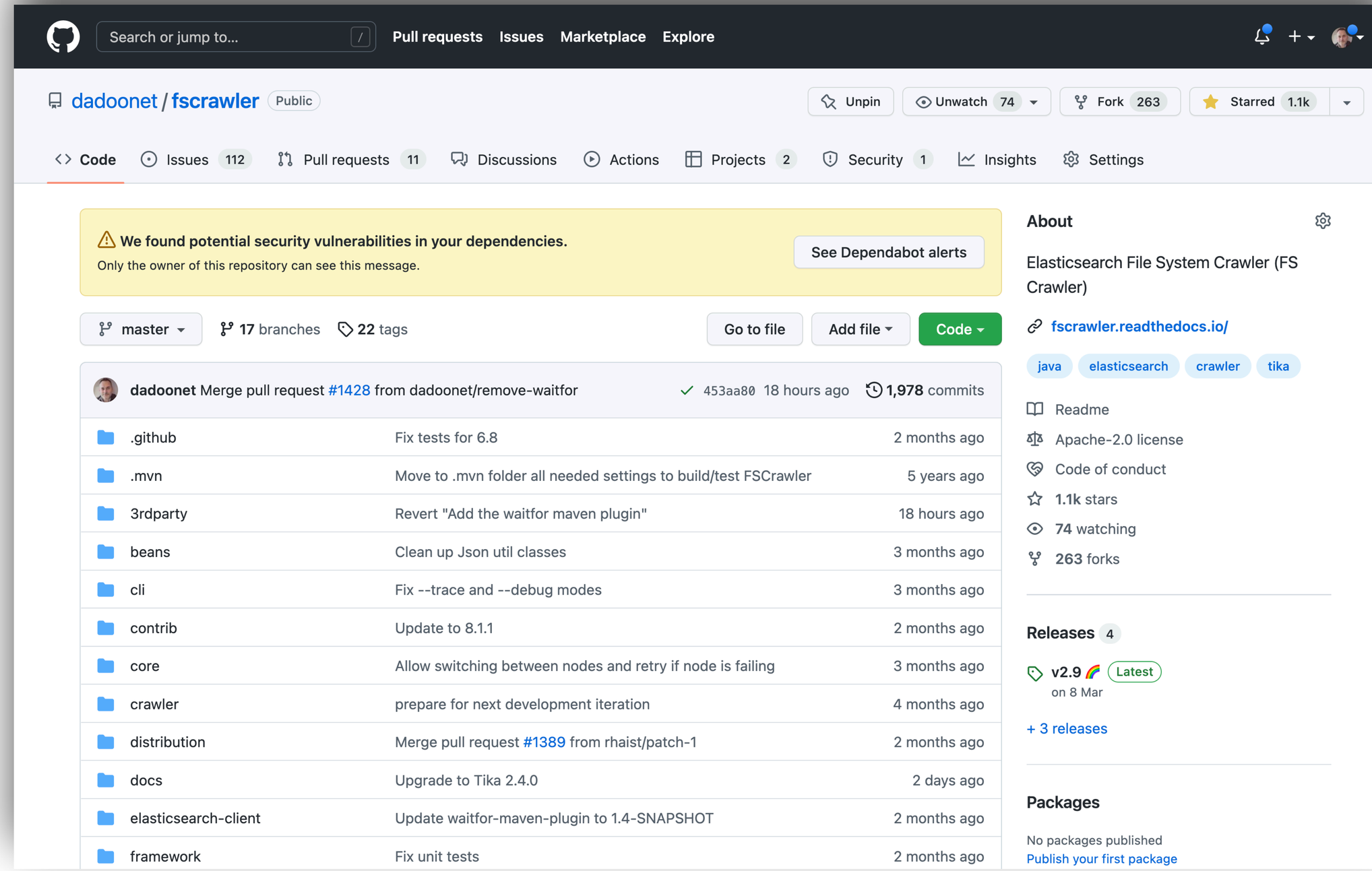
Lab 2

ingest attachment

FSCrawler

You know, for files…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Unpin
Unwatch 74
Fork 263
Starred 1.1k
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Discussions
Actions
Projects 2
Security 1
Insights
Settings
We found potential security vulnerabilities in your dependencies.
Only the owner of this repository can see this message.
See Dependabot alerts
master
17 branches
22 tags
Go to file
Add file
Code
dadoonet Merge pull request #1428 from dadoonet/remove-waitfor
453aa80 18 hours ago
1,978 commits
.github Fix tests for 6.8 2 months ago
.mvn Move to .mvn folder all needed settings to build/test FSCrawler 5 years ago
3rdparty Revert "Add the waitfor maven plugin" 18 hours ago
beans Clean up Json util classes 3 months ago
cli Fix --trace and --debug modes 3 months ago
contrib Update to 8.1.1 2 months ago
core Allow switching between nodes and retry if node is failing 3 months ago
crawler prepare for next development iteration 4 months ago
distribution Merge pull request #1389 from rhaist/patch-1 2 months ago
docs Upgrade to Tika 2.4.0 2 days ago
elasticsearch-client Update waitfor-maven-plugin to 1.4-SNAPSHOT 2 months ago
framework Fix unit tests 2 months ago
About
Elasticsearch File System Crawler (FS Crawler)
fscrawler.readthedocs.io/
java
elasticsearch
crawler
tika
Readme
Apache-2.0 license
Code of conduct
1.1k stars
74 watching
263 forks
Releases 4
v2.9
Latest
on 8 Mar
+ 3 releases
Packages
No packages published
Publish your first package

Disclaimer

This project is a community project.
It is not officially supported by Elastic.
Support is only provided by FSCrawler community
on discuss and stackoverflow.

http://discuss.elastic.co/
https://stackoverflow.com/questions/tagged/fscrawler

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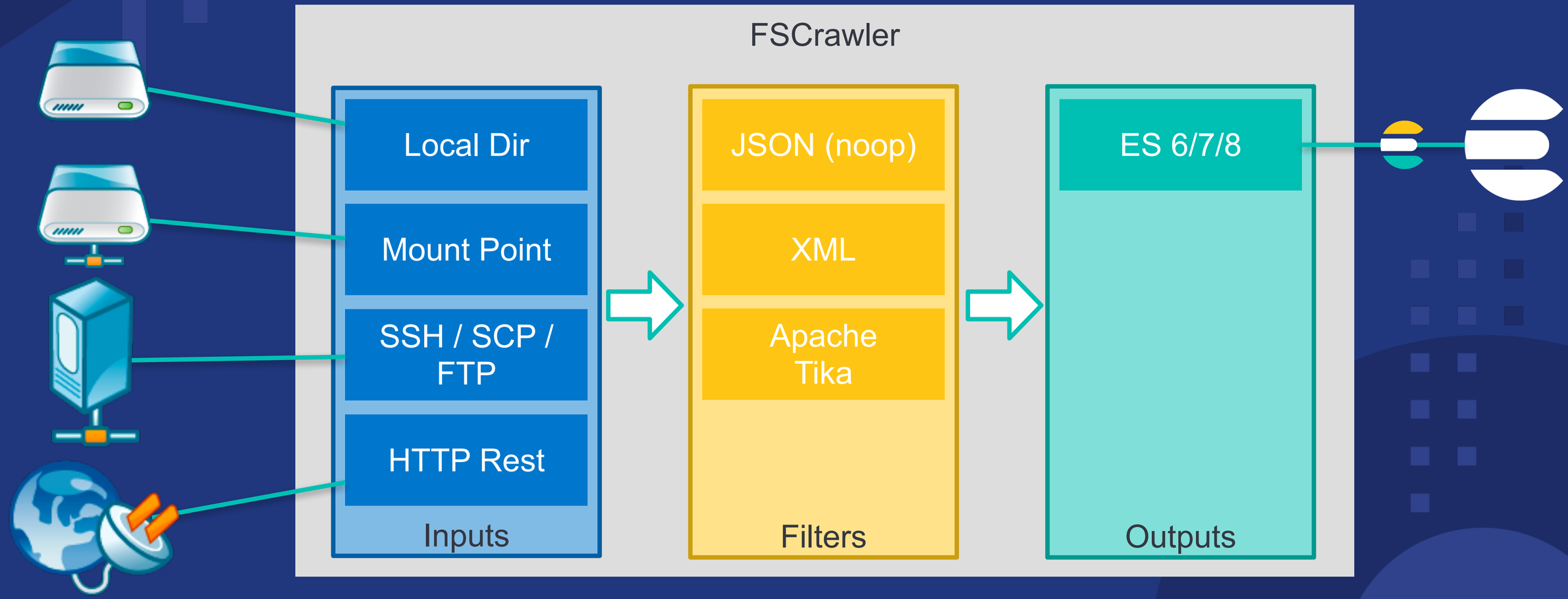
FSCrawler

Architecture



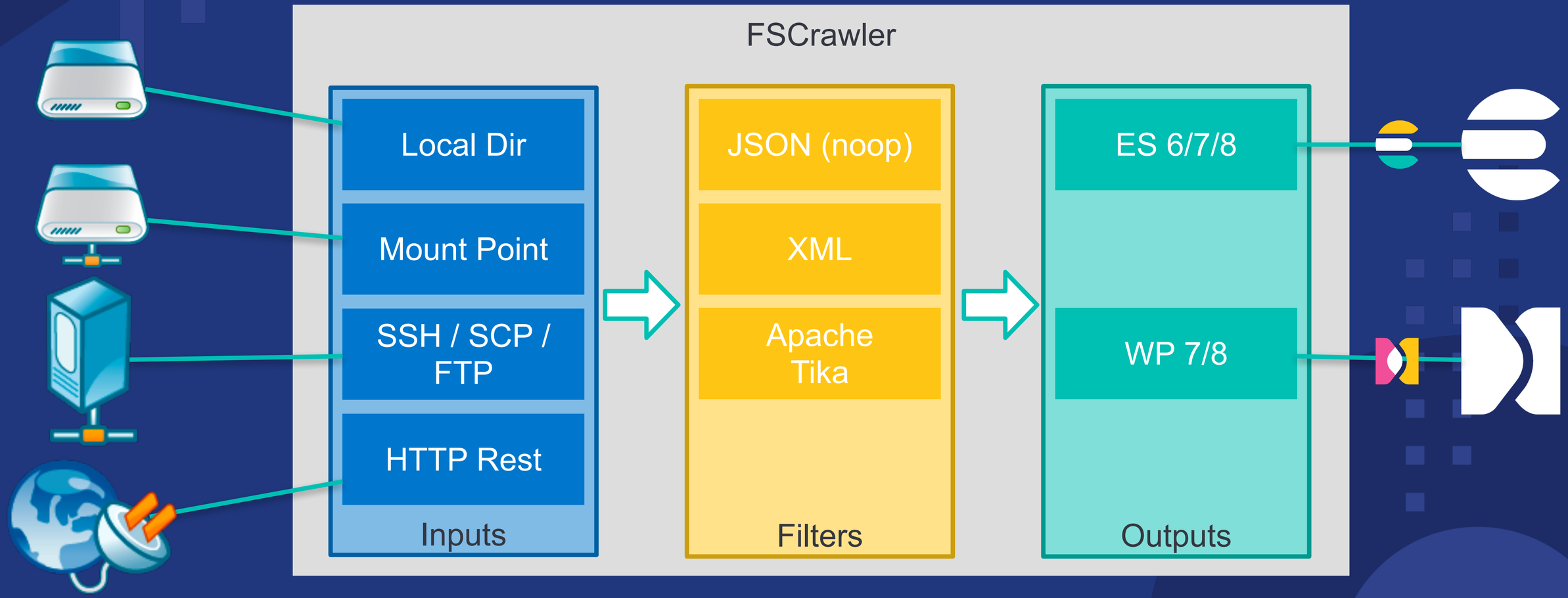
Lab 3

fscrawler

FSCrawler
even better with a UI

FSCrawler

Architecture



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Lab 4

workplace search

Since 8.2

Network drives connector package

for Enterprise Search

https://github.com/elastic/enterprise-search-network-drives-connector/

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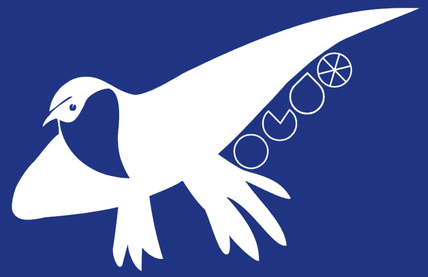

Thanks!

PR are warmly welcomed!

https://github.com/dadoonet/fscrawler