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# **AIFS Documentation**

*Release 1.03*

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This project is hosted by [Digital Oversight](#).

The code is open source, and available on [Github](#).



This framework implement large scale information gathering and analysis in order to provide valuable intelligence to a third party software. Using multiple sources, this software calculate the risk factors related to a decision, regardless of the initial objective and the resulting actions.

AIFS tries to implement general patterns related to machine learning and intelligence classification. The core functionalities include libraries related to public content information, digital network information, geographical and human information.

## License

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## CHAPTER 2

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Downloads

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## CHAPTER 3

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### How to install

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```
# git clone https://github.com/digitaloversight/aifs.git
# mysql -u root -p < ./aifs/schema/aifs-base-1.02.sql
```

```
mysql> insert into user set Host='localhost', User='aifs', Password=PASSWORD('');
mysql> flush privileges;
mysql> grant all on aifs.* to 'aifs'@'localhost';
```

### Configuration

Make sure you reviewed the configuration on the following files

```
` `/config/config.php`
` `/config/tool/DomainSelector.php``
```

### Extends

AIFS comes with extensions, please take a look at the [aifs-extends repository](#) available on Github.



If you do not load the web administration panel, you will need two things to enable basic features of AIFS : a keyword dictionary and an url list.

### Keyword dictionary

If you wish to enable semantic indexing, you need to load a dictionary. We provide the English-French words list in the aifs-extends repository. Load it on a freshly installed aifs-base-1.02.sql schema using this command :

```
# git clone https://github.com/digitaloversight/aifs-extends.git
# tar -xvzf ./aifs-extends/data/osint_keyword_EN_FR_102.sql.tar.gz
# mysql -u root -p aifs < ./aifs-extends/data/osint_keyword_EN_FR_102.sql
```

### URL list

If you do not use the web administration panel to provide urls, you will need to fill the osint\_url manually.

```
mysql> insert into osint_url set url='https://twitter.com/infainit';
```



### OSINT routines

**Fetch Version** `routine/osint_fetch_version.php`

Perform a version check with a randomly chosen url in the user filled url table.

**Changes** `routine/osint_changes.php`

Execute a comparison algorithm between two saved version of a document stored.

**Title** `routine/osint_title.php`

Extract title from html content.

**Tag count** `routine/osint_tagcount.php`

Precalculate the number of urls linked for all tags stored in the *osint\_tags*

**Table Rotation** `routine/osint_table_rotation.php`

Rotate the web content present into the main version content by renaming the sql table.

### DNINT routines

**Semantic Analysis** `routine/dnint_url_semantic.php`

Apply semantic analysis against html parsed content.

**Outbound\*** `routine/dnint_oubound.php`

Get the outbound links on an html version.

**NS Check** `routine/dnint_ns_check.php`

Perform an NS check on a saved url.

**Google PR** `routine/dnint_google_pr.php`

Fetch the google pr for a specified url.

## FININT routines

**Currency** routine/finint\_currency.php

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## Routine Responses

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### Normal Responses

Routines display different json of responses depending on the action performed.

Error code	Message	Notes
<b>200</b>		
200001	No valid record to parse.	
200002	Current record already processed.	
200003	No action needed.	

### Error Responses

AIFS provide json responses along with a 500 HTTP response code when an error is triggered by the routines scripts.



This software includes a basic OCR (optical character reader) binary designed to parse visible text from image files. As of version 1.02, the ocr feature is not linked with the semantic indexer nor with any image feeder available in the aifs-extends package.

### Requirements

OpenCV-2.4.0

tesseract-3.01

leptonica-1.69

Builds are made available for debian linux machines.