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# **aifs Documentation**

***Release v1.02***

**May 31, 2017**



<b>1</b>	<b>About AIFS</b>	<b>3</b>
1.1	AIFS v1.02 . . . . .	3
1.2	License . . . . .	3
<b>2</b>	<b>Downloads</b>	<b>5</b>
<b>3</b>	<b>How to install</b>	<b>7</b>
3.1	Configuration . . . . .	7
3.2	Extends . . . . .	7
<b>4</b>	<b>Configuration</b>	<b>9</b>
4.1	Keyword dictionary . . . . .	9
4.2	URL list . . . . .	9
<b>5</b>	<b>Routines</b>	<b>11</b>
5.1	OSINT routines . . . . .	11
5.2	DNINT routines . . . . .	11
<b>6</b>	<b>AIFS ocr</b>	<b>13</b>
6.1	Requirements . . . . .	13



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

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



# CHAPTER 1

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## About AIFS

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### AIFS v1.02

Jan 9th, 2016

This framework implement large scale information gathering and analysis in order to provide valuable intelligence to a third party software. Using multiple source, 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.

Note that the code forming initial Github release of AIFS is a collection of tools and projects initially developed during 2006 and 2011. Since many classes and functions are now aged, you will notice many parts of the source follow php4 styles and standards. The following developers participated in the early unreleased version of this software (pre 2012) : Vincent Menard, Julien Jouvent-Halle, Rabih Majzoub, Jean-Fran?ois Giroux, Daniel Greenberg.

### 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`
` `/common/sql/Sql.php`
```

### Extends

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



## CHAPTER 4

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### Configuration

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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 choosen 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.

**Oubound** `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.



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 are available for debian linux machines.