# **OpenFn documentation for implementers**

## **OpenFn Devtools**

A set of tools for writing & testing expressions, managing OpenFn projects, and developing new adaptors (language-packages).

## **Pre-Requisites**

Git

$ sudo apt-get install git

Node.js - Version 6.11 LTS

$ sudo apt-get install curl python-software-properties

$ curl -sL https://deb.nodesource.com/setup\_10.x | sudo -E bash –

$ sudo apt-get install nodejs

$ node –v

$ npm -v

## **Installation**

Clone openfn-devtools from git repository

$ git clone https://github.com/OpenFn/openfn-devtools.git

$ cd openfn-devtools

$ ./install.sh

If you get a "permission denied" message when running ./install.sh, run run chmod +x ./install.sh then retry the install command.

## **Install dependencies**

$ cd core

$ npm install

## **Install language-packages**

$ install.sh language-${name}

$ cd language-${name}

$ npm install

## **Usage**

Execute takes:

1. -l [language-package].Adaptor: The language-package.
2. -e [expression.js]: The expression being tested.
3. -s [state.json]: The message data: {...} and credential configuration: {...}.
4. -o [output.json]: The file to which the output will be written.

## **Bash usage**

path/core/lib/cli.js execute -l path/language-[XXX].Adaptor -s path/tmp/state.json -o path/tmp/output.json -e path/tmp/expression.js

## **Install openFn UI**

$ sudo apt-get install php7.0

$ git clone [repository to be added]

# 

## **Testing**

$ cd /path/of/application

$ php –S localhost:port

## **Production**

Any webserver with php support may be used.