# Haf Documentation

***Release 2.21.0***

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# Contents

CHAPTER 1

# The User Guide

This part of the documentation, which is mostly prose, begins with some background information about Haf, then focuses on step-by-step instructions for getting the most out of Haf.

## 1.1 Advanced Usage

## 1.2 How to get it

- using pip to get it:

```
$tsbxmw@ps# pip install haf --upgrade
```

- using git tool to get it:

```
$tsbxmw@ps# git clone https://github.com/tsbxmw/haf
$tsbxmw@ps# cd haf
$tsbxmw@ps# python setup.py install
```

## 1.3 How to run

- local bus mode, using local bus to run all cases

  local bus is without –bus-server(-bs) args, when running the program, the bus would be created

- modify the config.json in testcases

  change the log_path and report_path and case_path to your own path:

```
{
"config":{
  "run": {
    "log": {
      "log_path": "D:/workspace/mine/python/haf/data"
    },
    "bus": {
      "only": false,
      "host": "",
      "port": "",
      "auth_key": ""
    },
    "report": {
      "report_path": "D:/workspace/mine/python/haf/data/report.html"
    },
    "case": [
      {
        "case_path": "D:/workspace/mine/python/haf/testcases/test.xlsx"
      },
      {
        "case_path": "D:/workspace/mine/python/haf/testcases/test2.json"
      },
      {
        "case_path": "D:/workspace/mine/python/haf/testcases/test1.xlsx"
      },
      {
        "case_path": "D:/workspace/mine/python/haf/testcases/test3.yml"
      }
    ],
    "runner":{
      "only": false,
      "count": 4
    },
    "loader": {
      "only": false
    },
    "recorder": {
      "only": false
    },
    "web_server": {
      "host": "",
      "port": "",
      "run": true
    }
  }
}
```

}

- create testcase

  create xlsx/json/yml file with template in testcases/

- run
- run with config:

```
python -m haf run -c=./testcases/config.json
```

- run with args:

```
python -m haf run -case=./testcases/test.xlsx,./testcases/test2.json -ld=./data -
↪rh=true -rod=./data/report.html
```

- other run args
- run with multi-runners (4 runners):

```
python -m haf run -rc=4
```

- run with web server:

```
python -m haf run -ws=true
```

- run with only-mode:

```
# only loader
python -m haf run -ol=true
# only bus
python -m haf run -ob=true
# only runner
python -m haf run -or=true
# only recorder
python -m haf run -ore=true
```

- web api server suport
- get loader infos

  http://localhost:8888/loader

- get runner infos

  http://localhost:8888/runner

- get result infos

  http://localhost:8888/result

- get report infos

  http://localhost:8888/report

CHAPTER 2

# The Community Guide

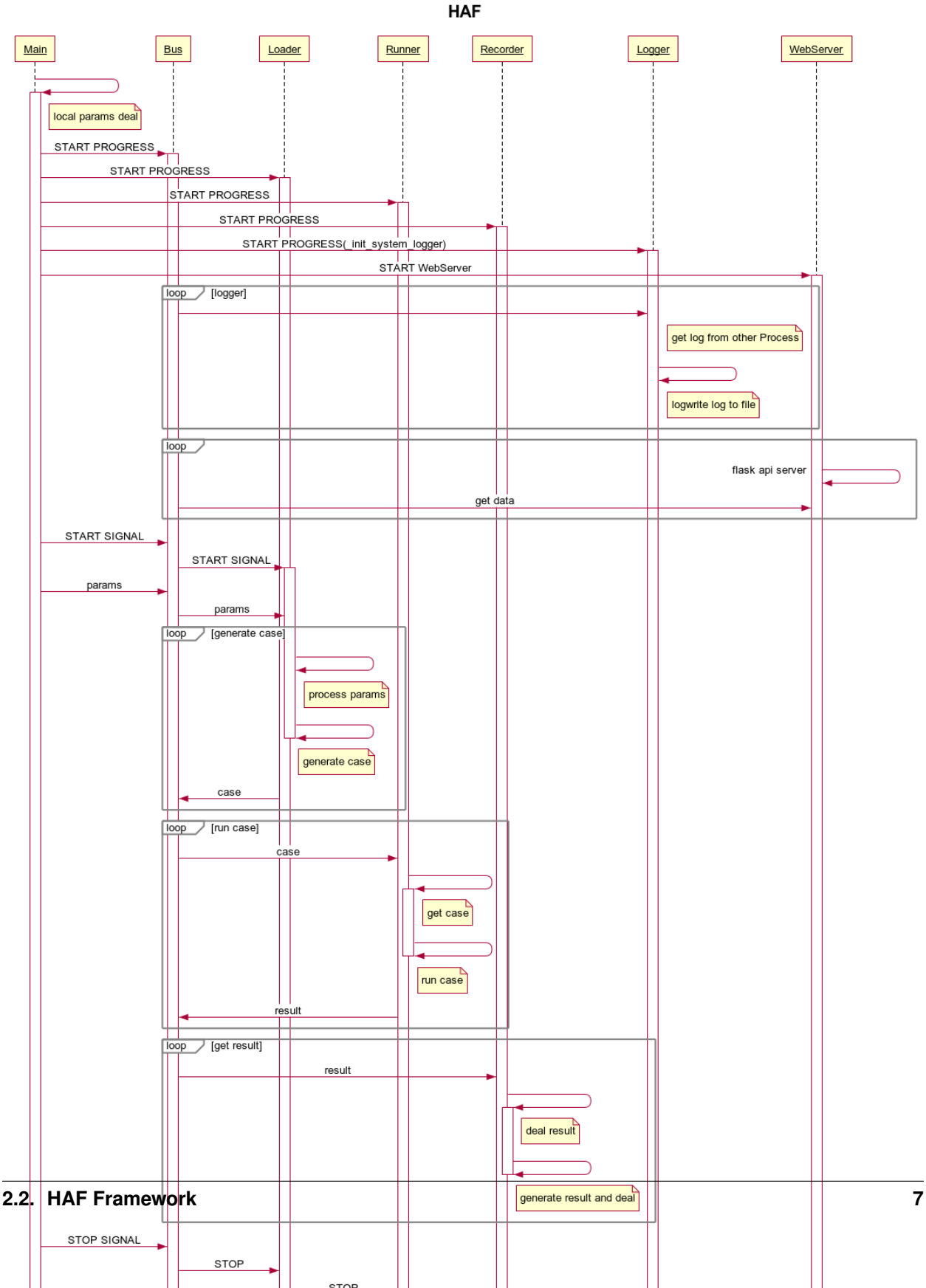
This part of the documentation, which is mostly prose, details the Haf ecosystem and community.

## 2.1 Frequently Asked Questions

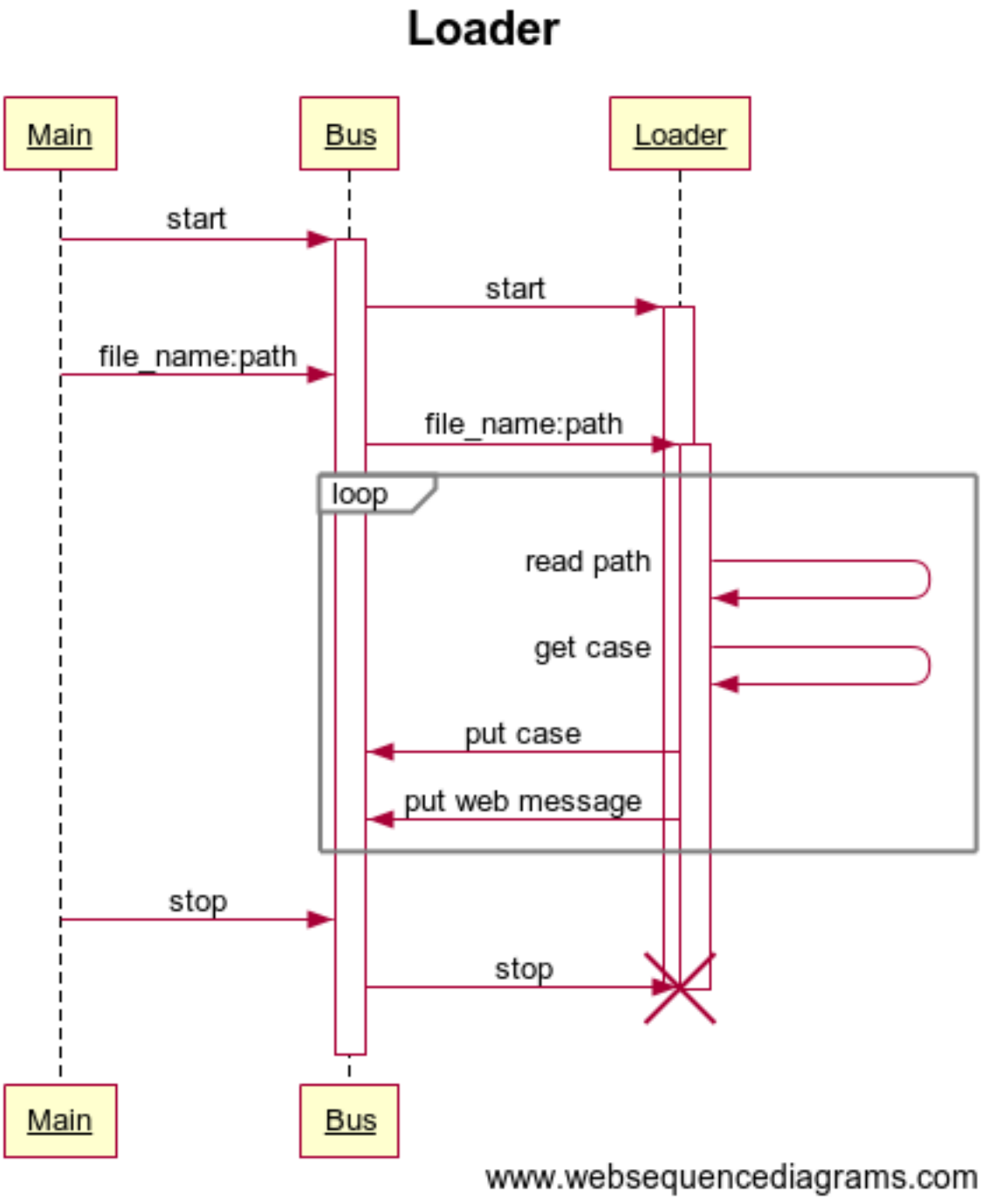
This part of the documentation answers common questions about Haf.

### 2.1.1 Encoded Data?

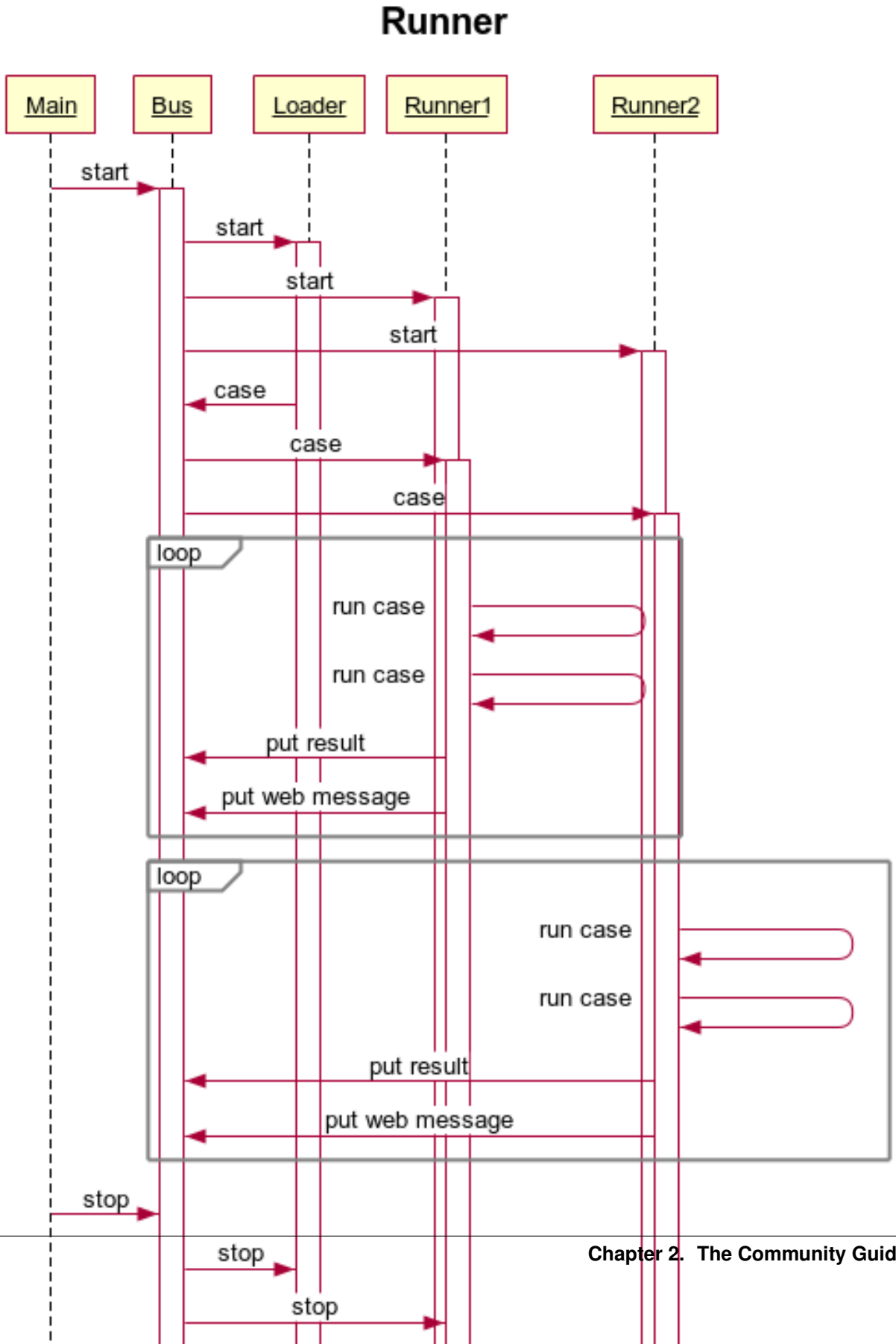
## 2.2 HAF Framework



## 2.3 Loader


Loader
Main
Bus
Loader
start
start
file_name:path
file_name:path
loop
read path
get case
put case
put web message
stop
stop
Main
Bus
www.websequencediagrams.com

## 2.4 Runner


Runner
Main
Bus
Loader
Runner1
Runner2
start
start
start
start
case
case
case
loop
run case
run case
put result
put web message
loop
run case
run case
put result
put web message
stop
stop
stop

## 2.5 WebServer

## 2.6 Bus

## 2.7 Release Note

https://github.com/tsbxmw/haf/blob/dev-2.1.0/docs/releasenote.md

CHAPTER 3

# The API Documentation / Guide

If you are looking for information on a specific function, class, or method, this part of the documentation is for you.

## 3.1 Developer Interface

This part of the documentation covers all the interfaces of haf. For parts where haf depends on external libraries, we document the most important right here and provide links to the canonical documentation.

CHAPTER 4

# The Contributor Guide

If you want to contribute to the project, this part of the documentation is for you.

There are no more guides. You are now guideless. Good luck.

# Python Module Index

## h

# Index

## H