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# Haf Documentation

*Release 2.21.0*

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**Feb 22, 2019**



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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

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### The Community Guide

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

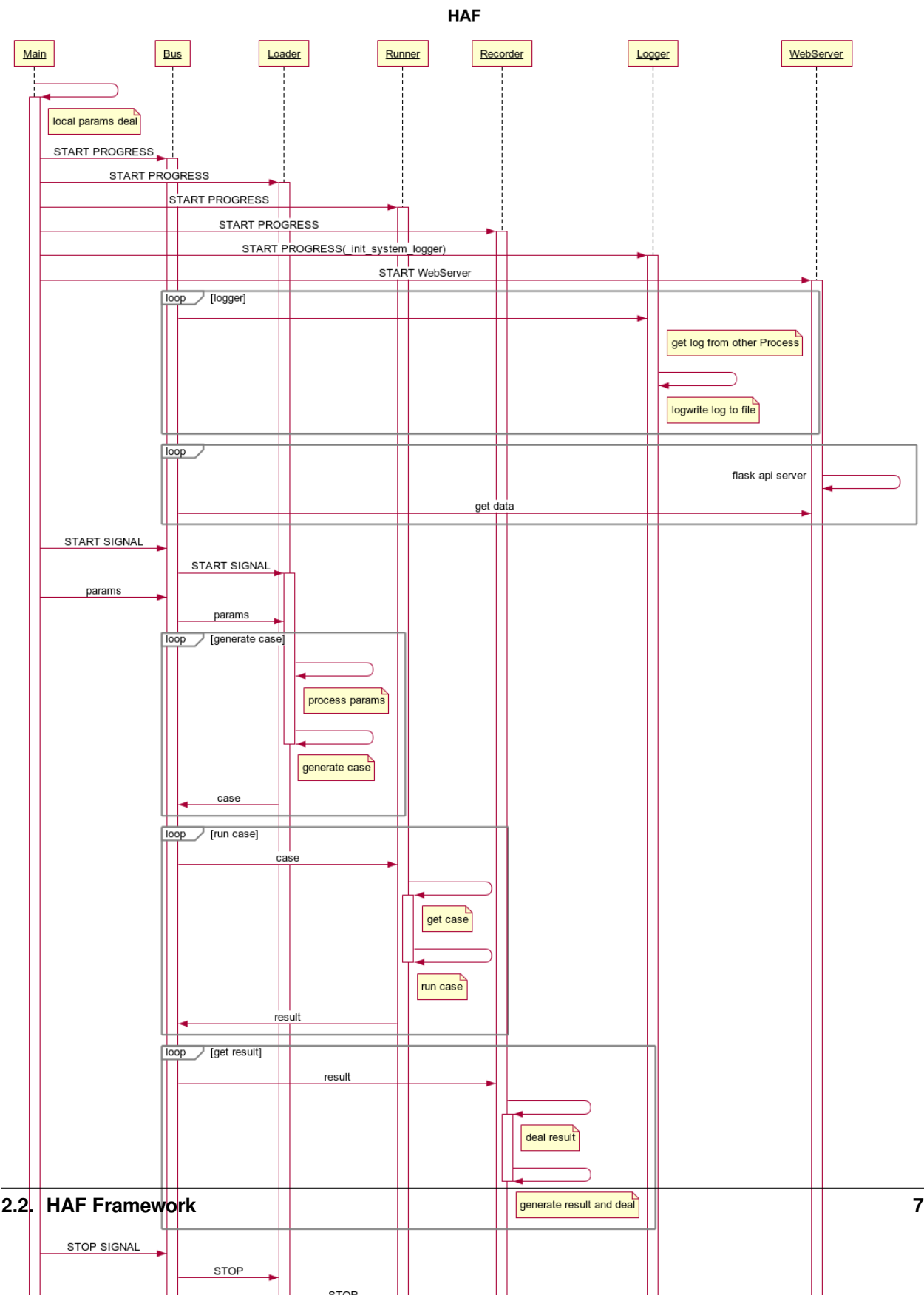
#### **2.1 Frequently Asked Questions**

This part of the documentation answers common questions about Haf.

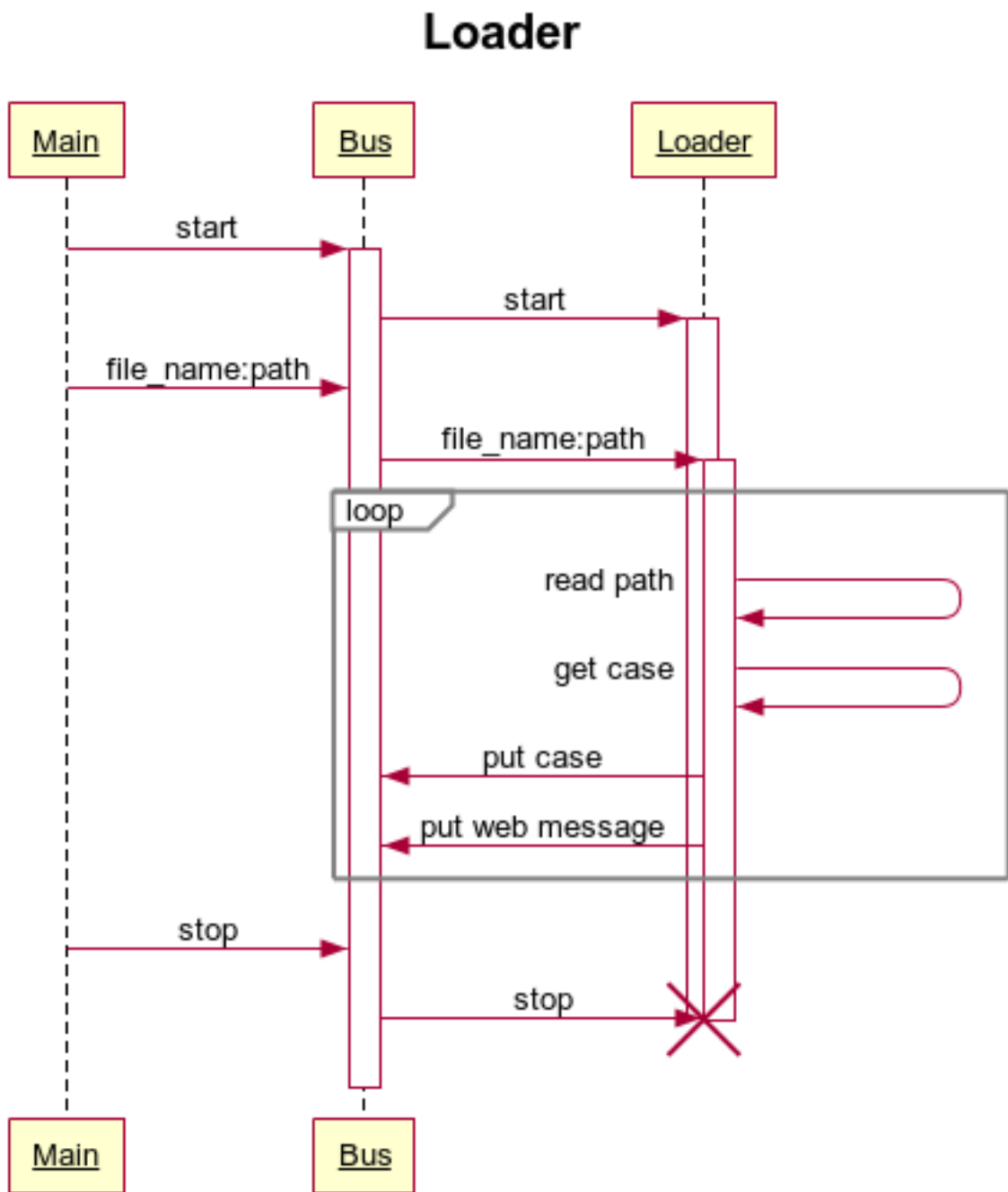


2.1.1 Encoded Data?

2.2 HAF Framework



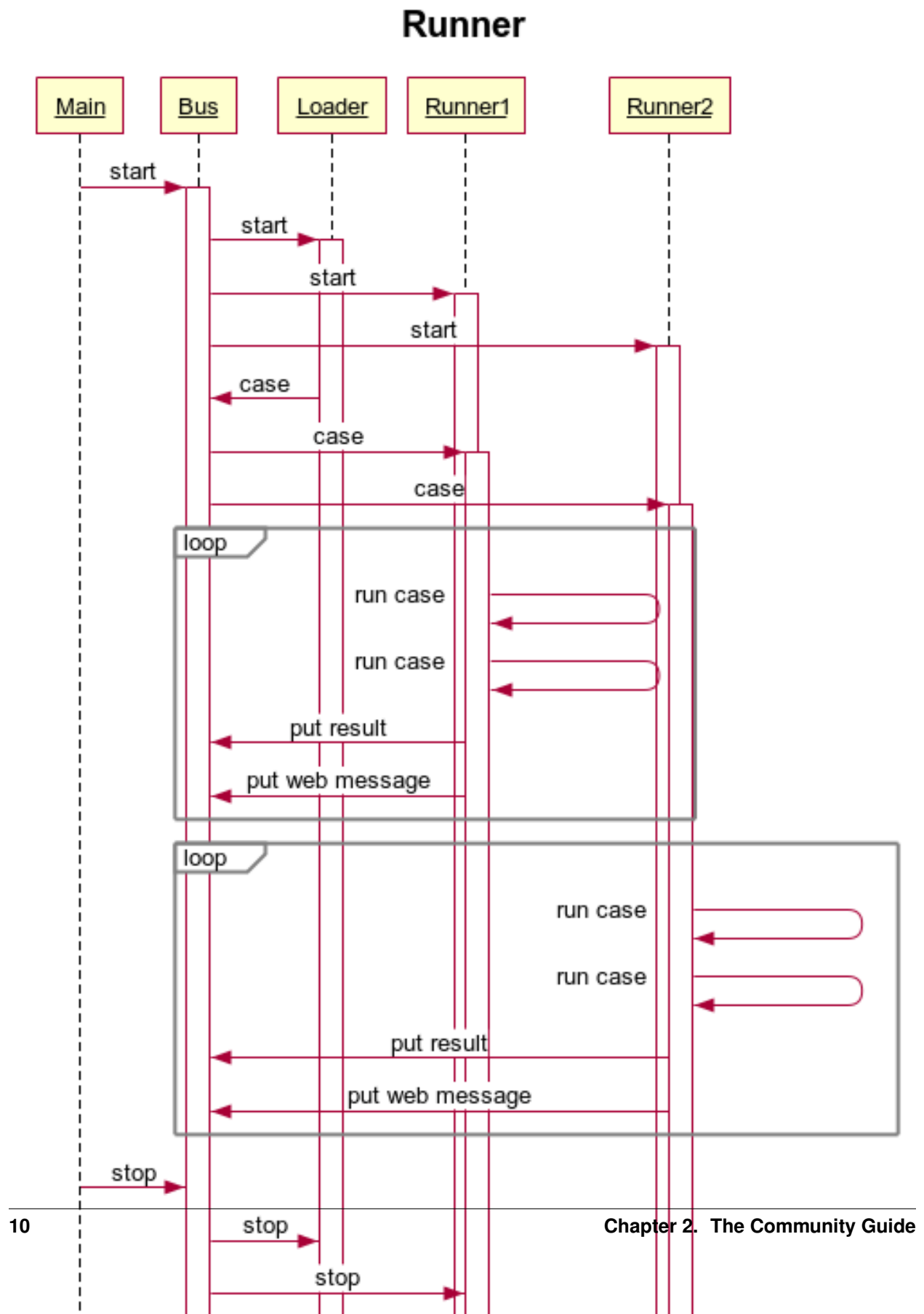
## 2.3 Loader



[www.websequencediagrams.com](http://www.websequencediagrams.com)



## 2.4 Runner



## 2.5 WebServer

## 2.6 Bus

## 2.7 Release Note

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





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### The API Documentation / Guide

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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

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### The Contributor Guide

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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.



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