
OpenApiaryFormat Reference

Release 0.1

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This format creates a way for different independent projects and data sources to share their data of bees and apiaries. The format specifications and reference implementations for an easy start will be public available and open source.

You can get your version of this document at <http://openapiaryformat-reference.readthedocs.org>

Content

Description

This format describes a machine and human readable way to structure data related to apiaries and bees.

Goals

These goals describe the foundation of what we try to achieve. This will be a guideline to help us to refine upcoming iterations of this document and format. Take also a look at the [Roadmap](#) for the upcoming milestones.

- Everything should be as human readable as possible without compromising machine-readability
- The format can be used in a very lean way (short and simple) but should be powerful enough to handle all cases.
- The current state of the apiaries and hives is always easy available and does not require computing or looking at history data

Roadmap

This should give a rough overview of the upcoming iterations and what to tackle next. This is of course subject to change.

- 0.1 - Basic attributes for apiaries and hives. names, locations, descriptions
- 0.2 - Add inspections, treatments and weekly checks
- 0.3 - Track diseases (e.g.: mites)
- 0.4 - Improved hive management. Manufacturers of Boxes and Frames.

At this point we have a working basis for sharing and storing everyday beekeeping. The next items are more for science and technical projects.

- 0.5 - Sensors! How to store sensor data. Weight, Temperature, unknown data!
- 0.6 - Queen management. History and breeding of queens.
- 0.7 - ??

Reference

type

hive apiary link

name

description

identifier

location

- latitude
- longitude

Examples

Simple hive:

```
{
  "type" : "hive",
  "name" : "My Second Hive",
  "identifier": "a9d19090b1b7f675b50e06652fd0a8b7ff252945",
  "description" : "Watch your step",
}
```

Simple apiary:

```
{
  {
    "type": "apiary",
    "name": "My Apiary",
    "description" : "this is my apiary",
    "location" : {
      "latitude": 0.023,
      "longitude": 0.123
    },
    "hives":{
      {
        "type" : "link",
        "identifier": "a9d19090b1b7f675b50e06652fd0a8b7ff252945",
      },
    }
  }
}

{
  "name" : "My Second Hive"
  "type" : "hive"
  "description" : "Watch your step",
}
```

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