DITA-OT Plug-in Registry

Plug-in installation made a bit easier

What do these have in common?

Haskell □

Rust 🔩

Java ☕

What do these have in common?

Python 🐍

Ruby 💎

JavaScript 💩 (joke)(the emoji is the joke)(maybe ÷ ?)

What do these have in common?

Python 🐍
Ruby 💎
JavaScript □ (it's not a bad language as such, it works well in some environments. You just have to be aware that object comparison might not be with you expect and you definitely don't want to do financial number crunching with Number but that the same with any language. And ES6 has a lot of nice features so the reputation JavaScript has from 1999 is

What do these have in common?

Haskell □

Rust 🔩

Java ☕

Python 🐍

Ruby 💎

JavaScript ÷

They all have a package manager/repository/registry

Haskell + Cabal

Rust + Crates

Java + Maven (not the tool)

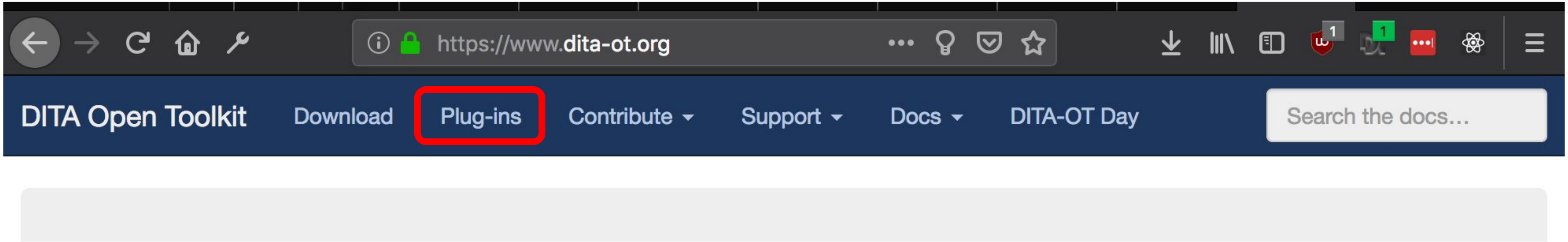
Python + PIP

Ruby + RubyGems

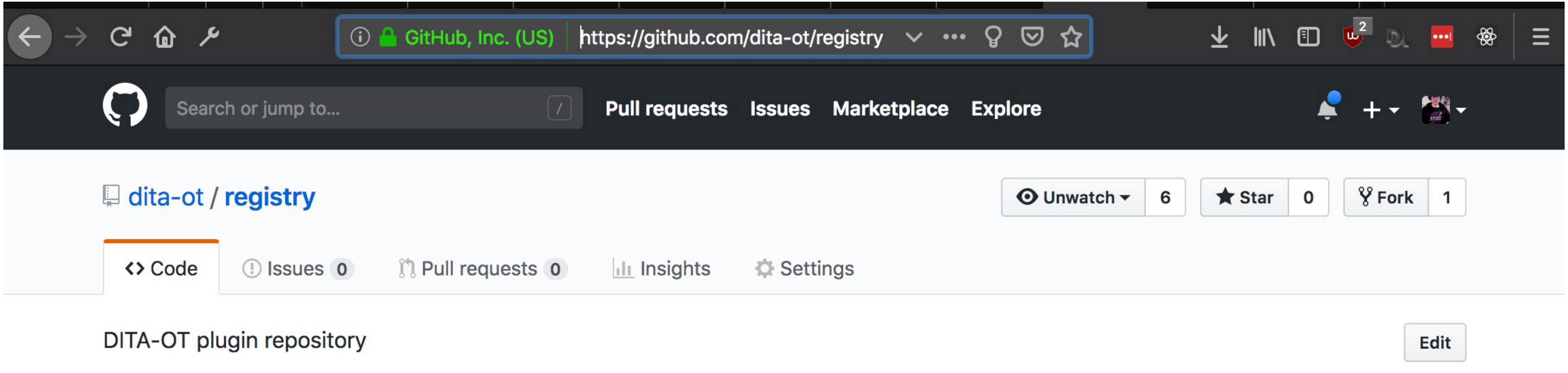
JavaScript + NPM

If they have one...

… we need to have one…



… and probably store it somewhere



DITA-OT plugin repository

:shipit:

Registry, not repository

We don't store plugin distribution files

Registry is a centralized location for plugin metadata

Plugin authors need to host plugin distribution packages

Plugin metadata file

```
"name": "org.lwdita",
"vers": "2.0.6",
"url": "https://github.com/…/org.lwdita-2.0.6.zip",
"deps": [{
    "name": "org.dita.base",
    "req": ">=2.2.0"
  }],

"description": "Lightweight DITA for DITA-OT",
"keywords": ["LwDITA", "MDITA", "HDITA"],
"homepage": "http://www.lwdita.org/",
"license": "Apache-2.0",
"cksum": "08af58ebefa56bfffc063333…8cd4d0c3562199b0e43adb80"
```

What about legacy plugins?

We *may* add them to the registry over time

Legacy plugins may not work with new versions of DITA-OT

Automatic installation will not work on older versions of DITA-OT

What about built-in plugins?

Built-in plugins should not be special

Some plugins are part of our monorepo

Some plugins are already integrated during release build

Who gets into the main registry?

Some of us write code first and think later

Anyone, really □

Additions and updates work via GitHub PRs

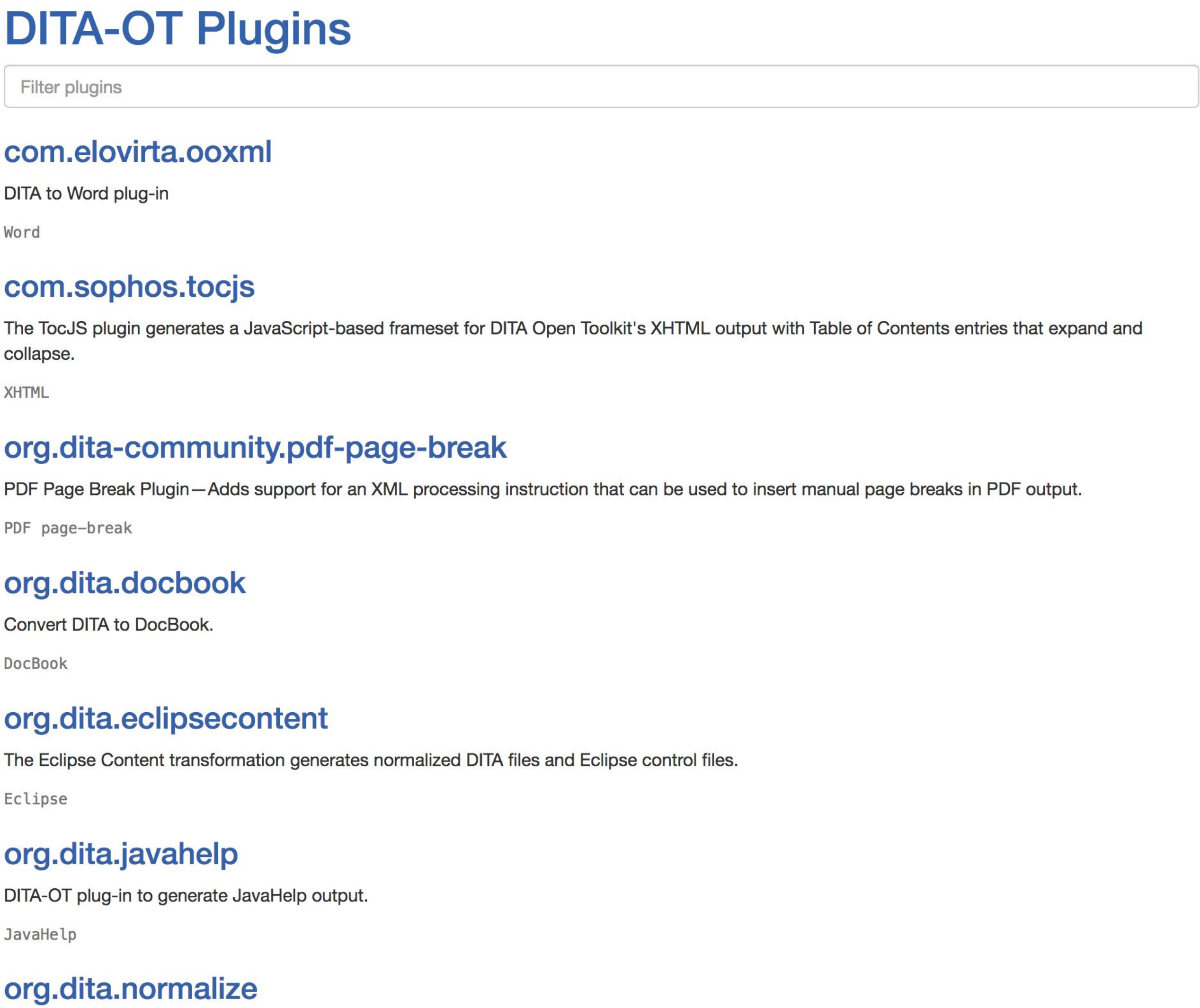
Community curated

TL;DR contribution guide

1. Create a PR that adds the entry to `dita-ot/registry`

Quick contribution guide

1. Create a plugin
2. Upload it somewhere
3. Fork `dita-ot/registry`
4. Create plugin entry JSON file, commit, push
5. Create a PR that adds the entry to `dita-ot/registry`
6. Wait for PR to be merged
7. 🎤



DITA-OT Plugins

Filter plugins

com.elovirta.ooxml

DITA to Word plug-in

`Word`

com.sophos.tocjs

The TocJS plugin generates a JavaScript-based frameset for DITA Open Toolkit's XHTML output with Table of Contents entries that expand and collapse.

`XHTML`

org.dita-community.pdf-page-break

PDF Page Break Plugin—Adds support for an XML processing instruction that can be used to insert manual page breaks in PDF output.

`PDF` `page-break`

org.dita.docbook

Convert DITA to DocBook.

`DocBook`

org.dita.eclipsecontent

The Eclipse Content transformation generates normalized DITA files and Eclipse control files.

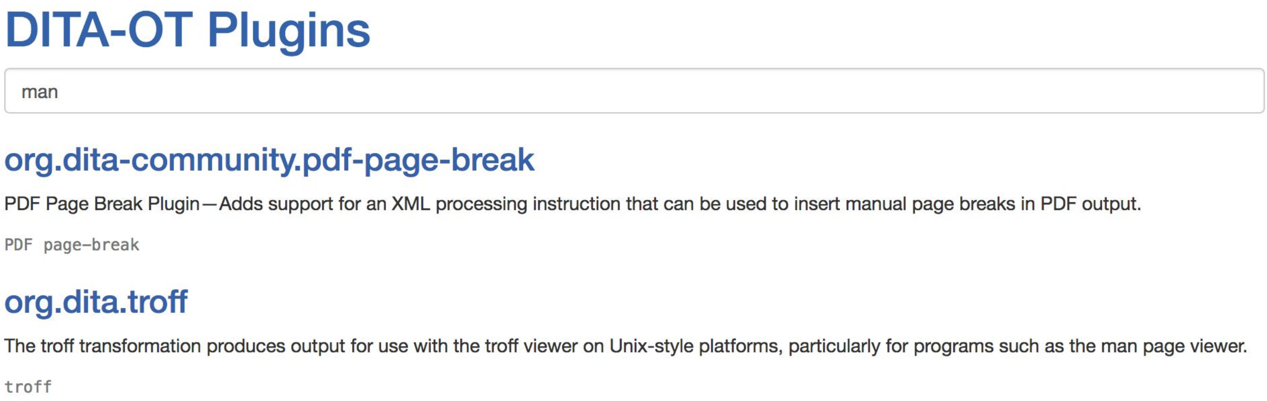
`Eclipse`

org.dita.javahelp

DITA-OT plug-in to generate JavaHelp output.

`JavaHelp`

org.dita.normalize



DITA-OT Plugins

man

org.dita-community.pdf-page-break

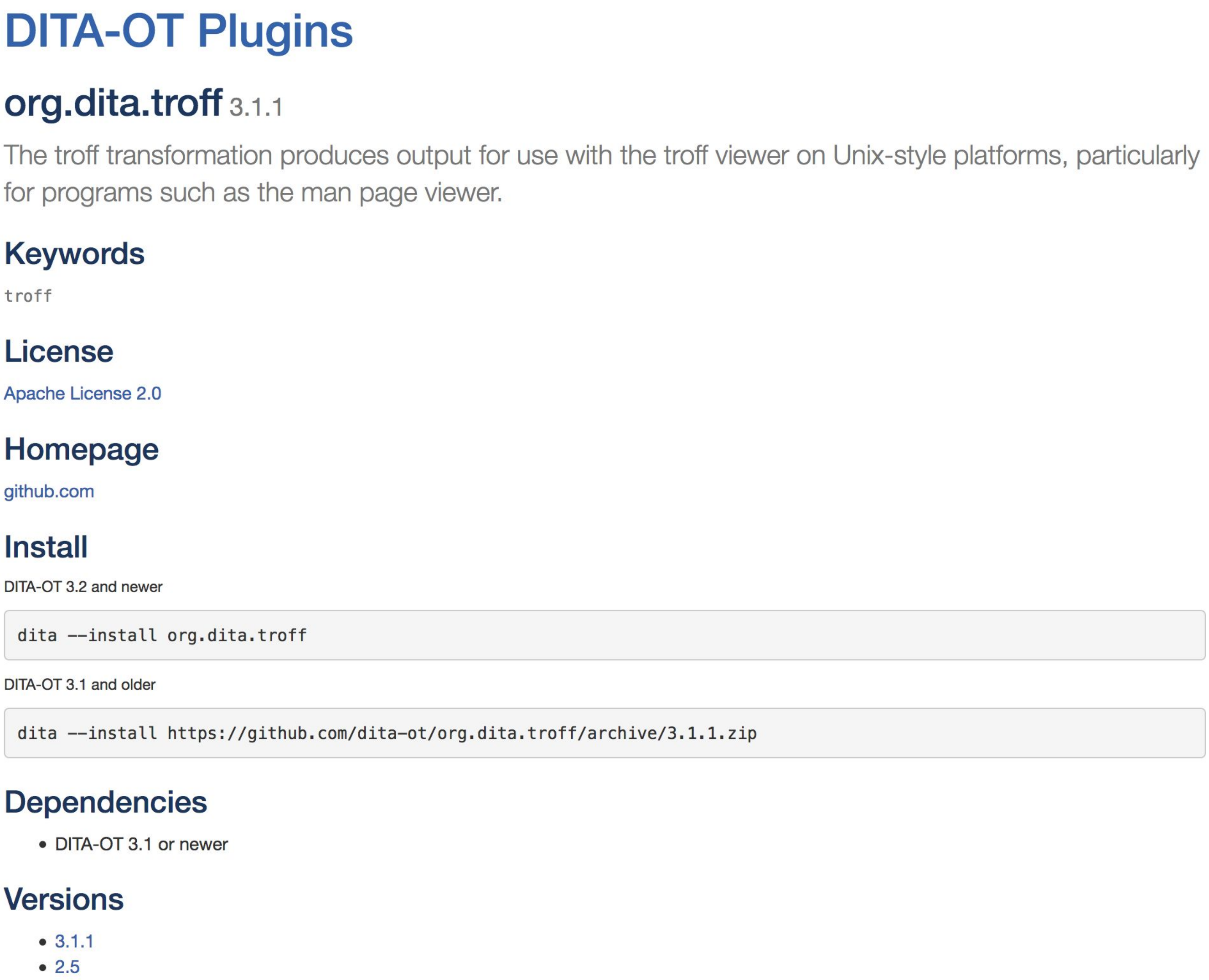
PDF Page Break Plugin — Adds support for an XML processing instruction that can be used to insert manual page breaks in PDF output.

`PDF` `page-break`

org.dita.troff

The troff transformation produces output for use with the troff viewer on Unix-style platforms, particularly for programs such as the man page viewer.

`troff`



DITA-OT Plugins

org.dita.troff 3.1.1

The troff transformation produces output for use with the troff viewer on Unix-style platforms, particularly for programs such as the man page viewer.

Keywords

`troff`

License

Apache License 2.0

Homepage

github.com

Install

DITA-OT 3.2 and newer

```
dita --install org.dita.troff
```

DITA-OT 3.1 and older

```
dita --install https://github.com/dita-ot/org.dita.troff/archive/3.1.1.zip
```

Dependencies

- DITA-OT 3.1 or newer

Versions

- 3.1.1
- 2.5

```
$ 
```

```
$ dita --install org.dita.troff
$ dita --install org.dita.troff
Added org.dita.troff
$ 
```

TODO

Add more CLI support to list available plugins and registries

Improve the web UI

Investigate how to allow for a longer description or a README

Automate the plugin metadata generation from the plugin definition

If you build it...