

# Galaxy Wiki Migration

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## GalaxyAdmins 2015/10 Meetup

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The Galaxy Team



# Why?

MoinMoin 2.0 release was imminent 4 years ago.  
We've been at 1.9.x the whole time

We've been on MoinMoin for over 4 years. That's far longer than our average stay on a wiki platform!

# Why?

Increasingly frustrated by inability to create/manage/reuse semi-structured data.

This is only going to get more challenging over time.

<https://wiki.galaxyproject.org/Community/Logs>

<https://wiki.galaxyproject.org/Community/Deployments>

<https://wiki.galaxyproject.org/PublicGalaxyServers>

<https://wiki.galaxyproject.org/Teach/Trainers>

# Why?

Other options may offer better support for

Blogging

RSS

Database integration

Integrated authentication

... you name it

# Why Not?

Time and effort

Disruption

# Wiki Migration: Initial Thinking

- Django based solutions
  - <https://www.djangopackages.com/grids/g/wikis/>
- Waliki
  - <https://github.com/mgaitan/waliki/>
  - Supports Markdown, RST
  - Uses Git for revision management
  - Lots of active development

Meanwhile, back at TaylorLab.org

TaylorLab.org was **Django** based

James moved it to be **Metalsmith** based

# Metalsmith

"An extremely simple, *pluggable* static site generator."

<http://www.metalsmith.io/>



# Metalsmith

Uses **GitHub** for revision management

Supports Markdown & GitHub Flavored Markdown

**Metadata** can be added at the top of pages in **YAML**

Many **plugins** for generating and using content,  
including semi-structured content.

<http://www.metalsmith.io/#the-plugins>

# Metalsmith on GitHub

Hope is that **more people will contribute** if they can

- **directly edit wiki content on GitHub**, a platform that many are already on and familiar with
- **using Markdown**, a markup language that many already know.

GitHub infrastructure also makes site-wide changes easier.

Advanced users can also install Metalsmith and perform edits locally.

# Content Plan

- Using pyPEG2 to translate from MoinMoin to GitHub Flavored Markdown
- Normalize page structure when doing the move
  - Did this 4 years ago when moving from Bitbucket.
  - Less than 200 pages then and a huge win
  - Now over 1000 pages

# The Galaxy Team



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**Thanks**

