

Making your wiki Parsoid-compatible by switching from Variables to ArrayFunctions and Lua

Workshop/Hackathon

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The workshop

- Objectives of this workshop:
 - Understand the concept of *functional parser functions*
 - Learn how to utilize Lua to replace Variables
 - Learn how to utilize ArrayFunctions to make this more elegant
 - Have fun!

The problem

- Parsoid does not support sequential processing of wikitext ([T250963](#)).
- This is a problem for extensions that have parser functions with side-effects, such as:
 - Arrays
 - Variables
 - Loops
 - HashTables
 - NumerAlpha

How do we keep using these technologies in the Parsoid-era?

A solution

- Do all computation in Lua...
 - Parsoid-compatible;
 - real scripting language, instead of ad hoc parser functions;
 - significantly faster than invoking parser functions;
- ... but keep all presentation in wikitext
 - easier to debug;
 - more familiar than Lua (for most);
 - more suitable for presentation;
 - separation of concerns.

Start hacking!

- Form groups of 3 to 5 people;
- Wait until you are assigned a number;
- Go to smwcon2023.wikibase.nl;
- Log in using your group number n :
 - Username: Group n , for example *Group 5*
 - Password: Will be given during the presentation
- Click on the link to your group;
- Follow the instructions and start hacking!

If you want to participate in the Hackathon online, wait until you are assigned a number as well.

If you have a question, complaint, or if you are stuck: contact me or Liselot (online) and we will help you!