

# Parsoid Read Views update

# What we want to communicate

- How Parsoid Read Views works and how it will affect you
- The Confidence Framework to deploy Parsoid Read Views
- Immediate goals and milestones
- Upcoming Discussion Tools and Office Wiki roll-outs



# Parsoid Read Views Demo

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# End goal

Use Parsoid for all wikitext processing



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Use Parsoid for all wikitext processing

***Then improve wikitext!***



# Why Parsoid?

- Core parser cannot support Parsoid clients (VE, etc.)
- Parsoid's annotated HTML provides more semantic information (for editing, bots, gadgets, etc)
- Only Parsoid provides bidirectional conversion back to wikitext
- Two parsers not tenable and hamstrings future feature work
- Long-term transition to manipulation of balanced DOM trees & predictable composition of rich-typed fragments



# Parsoid for readers

Parsoid has been in use beneath VisualEditor for about 10 years now (also CX, DT, Flow, Mobile Apps, Kiwix, Enterprise, etc), but:

- Original implementation language incompatible with core
- Original caching infrastructure incompatible with core
- Page metadata and “uneditable” features of the page were generally not supported (examples: category metadata, section edit links)

Hence: the **Parser Unification project**



# Some milestones

## Functionality

- ✓ Equivalent ParserOutput, ParserOptions interface
- ➔ Build a robust and cacheable post-processing pipeline

## Rendering

- ✓ Support editing product, migrate from HTML4 Tidy to HTML5 “tidier”
- ✓ Migrate core parser to use Parsoid HTML for media wikitext
- ➔ Use Parsoid for “read views”, starting with opt-in & Discussion Tools





# How you can help!

- There is now an opt-in preference to use Parsoid to render articles on WMF projects.
- Not everything works yet: see [\[\[mw:Parsoid/Parser Unification/Known\\_Issues\]\]](#)
- Help us find the other stuff that doesn't work yet
  - Especially anything that blocks your daily use or editing of the wikis
- Help us test our community documentation and feedback mechanisms



# Demo!

# Upcoming OfficeWiki roll-out

- With the opt-in/opt-out possibilities we are **confident** that we can roll-out the changes to OfficeWiki without disrupting workflows
- Allow us to “dogfood” and collect early feedback about Parsoid Read Views gaps



# The Confidence Framework

## Overview

- **Purpose:** Evaluate readiness and effectiveness for Parsoid deployment on various wikis.
- **Methodology:** Steps and methods for comprehensive evaluations and informed Parsoid deployment decisions.

## Framework's Goal

- **Use data** to encourage deeper product inquiries.
- **Support fast iterations** by allowing confident experimentation and stable deployments
- **Transparent communication** with communities by providing the reasoning behind Parsoid Read Views roll-out



# The Confidence Framework

## Current Metrics for Decision Making

- Supported Extensions Coverage
- Visual Diff Coverage
- Qualitative Reports

## Implications

- **Focus on understanding reasons** behind low confidence in Parsoid deployments.
- **Employ Product Strategy** to address gaps affecting confidence in Parsoid deployment for Read Views.



# Immediate goals and milestones

Wiki Name	Visual Diff Coverage (%)	Supported Extensions Coverage (%)	Confidence	Reason	Status
Office Wiki	N/A (Visual Diff can't run for private wikis)	100%	Confident		To deploy
Wikitech DiscussionTools	95.7% pixel perfect; 99.9% pixel perfect and minor vertical whitespace shifts; 6 (0.096%) pages contain non-blocking known issues	Extensions critical for Wikitech DiscussionTools are presumed to be identified in the visual diff process	Extremely Confident	<a href="#">Report</a>	To deploy
English Wikivoyage			Confident		Investigating
Hebrew Wikivoyage			Somewhat confident		Not ready

[https://www.mediawiki.org/wiki/Parsoid/Parser\\_Unification/Confidence\\_Framework#Immediate\\_Goals](https://www.mediawiki.org/wiki/Parsoid/Parser_Unification/Confidence_Framework#Immediate_Goals)

