

Editing Team Quarterly Review

Wikimedia Foundation – Q2 of FY14-15

1 October–31 December 2014

Agenda

Team intro – 5 minutes

What we said we would do – 10 minutes

What we did – 10 minutes

What we learned – 15 minutes

Metrics & other key accomplishments – 20 minutes

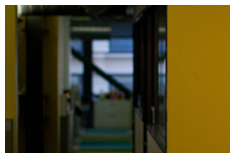
What's next – 20 minutes

Asks – 10 minutes

Team intro



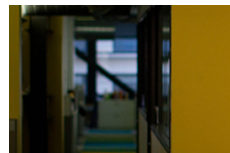
Roan Kattouw
November 2011



Bartosz Dziewoński
September 2014



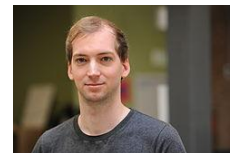
Rummana Yasmeen
October 2013



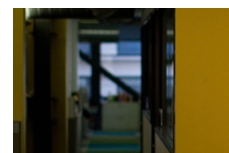
Alex Monk
March 2014



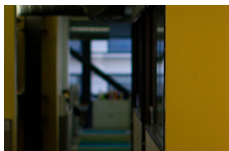
Erica Litrenta
June 2013



Ed Sanders
February 2013



Elena Tonkovidova
November 2014



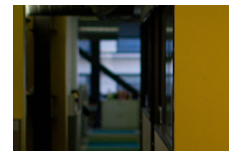
Marielle Volz
October 2014



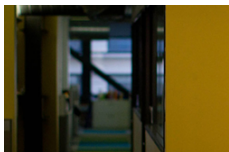
Kaity Hammerstein
October 2013



Trevor Parscal
May 2011



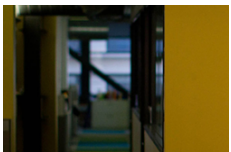
Timo Tijhof
July 2012



Sherry Snyder
June 2013



Moriel Schottlender
June 2013



Ori Livneh
For this quarter



David Chan
January 2014



Tim Starling
For this quarter



James Forrester
April 2012



Sucheta Ghoshal
October 2014

FY 2013-2014



Q3



Q4

FY 2014-2015



Q1



Q2



Q3



Q4

FY 2015-2016



Q1



Q2

What we said

Background: Recap of October–December 2014 work

VisualEditor is now deployed as opt-out/default on **162 Wikipedias** and opt-in on the other **126 Wikipedias**, including English, German, Spanish and Dutch. Also in opt-out on 17 other wikis and opt-in on 386 other wikis.

The Editing team's principal objective last quarter was to **add and consolidate features, performance and stability** to prepare for re-enablement or enablement on the remaining Wikipedias.

As a team, we were also asked to support the Editing Performance workstream and lead the Front-End Standardisation workstream.

VisualEditor

Objective	Measure of success	Dependency	ETA	Status
Auto-filling citations	User can paste a URL to insert a cite. User can paste a DOI to insert a cite. [S] User can paste an ISBN to insert a cite.	Services Design Operations	2014-DEC-31	
Simpler citations	User has a simplified citation editing system based on design research	Design	2014-DEC-31	
Easier media	User has an improved media search experience based on design research	Design Multimedia	2015-JAN-15	
Table editing	User can insert a table. User can insert/delete a row or column. [S] User can do other advanced actions.	Design	2014-DEC-31	
Language support	Users of Input Method Editors (as used in Japanese, Korean, Arabic, Hindi, etc.) can type using VisualEditor without issues.	–	2015-JUN-30 <i>(on-going)</i>	

Editing Performance once HHVM work finished

Objective	Measure of success	Dependency	ETA	Status
Instrument edit funnels	Instrument VisualEditor on all platforms Instrument wikitext editor on all platforms	Analytics Operations	2014-DEC-31	
Optimistic WT saving	Implement equivalent of VisualEditor's optimistic saving system in the wikitext editor	–	2014-DEC-31	
Improve VE loads/saves	[S] Improve median and 99th %ile load time [S] Improve median and 99th %ile save time	–	2014-DEC-31	

Front-End Standards

OOUI theming	Complete MediaWiki theme Switch over to MediaWiki theme in MW	Design	2014-DEC-31	
OOUI PHP	Complete OOUI PHP port and ship in MW [S] Switch over one or more MW interfaces	Platform	2014-DEC-31	

What we did

VisualEditor

Objective	Measure of success	Dependency	ETA	Status
Auto-filling citations	User can paste a URL to insert a cite. User can paste a DOI to insert a cite. [S] User can paste an ISBN to insert a cite.	Services Design Operations	2014-DEC-31	Mostly done Service not yet live. ETA mid-February.
Simpler citations	User has a simplified citation editing system based on design research	Design	2014-DEC-31	Incomplete
Easier media	User has an improved media search experience based on design research	Design Multimedia	2015-JAN-15	Done
Table editing	User can insert a table. User can insert/delete a row or column. [S] User can do other advanced actions.	Design	2014-DEC-31	Done including stretch goals
Language support	Users of Input Method Editors (as used in Japanese, Korean, Arabic, Hindi, etc.) can type using VisualEditor without issues.	–	2015-JUN-30 (<i>on-going</i>)	On-going Technical progress; minor user-noticeable improvements.

Editing Performance once HHVM work finished

Objective	Measure of success	Dependency	ETA	Status
Instrument edit funnels	Instrument VisualEditor on all platforms Instrument wikitext editor on all platforms	Analytics Operations	2014-DEC-31	Partially done Only VisualEditor part
Optimistic WT saving	Implement equivalent of VisualEditor's optimistic saving system in the wikitext editor	–	2014-DEC-31	Done
Improve VE loads/saves	[S] Improve median and 99th %ile load time [S] Improve median and 99th %ile save time	–	2014-DEC-31	Some improvement Load time down ~20%

Front-End Standards

OOUI theming	Complete MediaWiki theme Switch over to MediaWiki theme in MW	Design	2014-DEC-31	Done
OOUI PHP	Complete OOUI PHP port and ship in MW [S] Switch over one or more MW interfaces	Platform	2014-DEC-31	Done (except stretch goal)

What we learned

What we learned: Review of Q2 team performance

Q2 was a quiet quarter for the VisualEditor team, as several staff were deployed on other priority projects. The work on table editing surpassed plans, delivering Q4 expectations in Q2 to user delight.

The start of the editing performance work was significantly delayed as key resources were still deployed to the Q1+ HHVM roll-out.

Front-end standards work was a success in terms of anticipated gains. More effort will be required to roll it out more widely.

Metrics & other key accomplishments

Metrics & other key accomplishments: Performance

Page length	Quarter start	Quarter end	Improvement
Small	1408	908	35.5%
Medium	1912	1569	17.9%
Large	6375	6689	-4.9%
Huge	7083	6997	1.2%

Synthetic median page load time, selected indicative pages, 2014-09-01 vs. 2014-12-31 code, milliseconds

We made noticeable load performance gains in the quarter, whilst providing new complex features like table editing. This remains the key area of focus gains for improving user perceived performance.

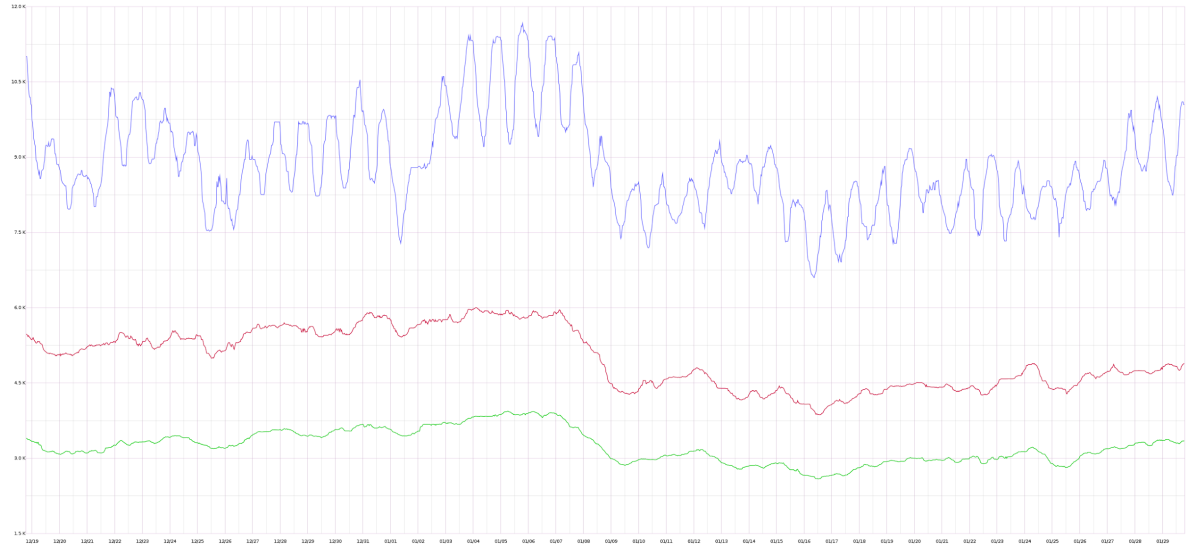
Metrics & other key accomplishments: Performance

99%ile: ~9.5s

75%ile: ~4.5s

50%ile: ~3.5s

Comparable wikitext
median save: 2.5s



Measured page save time 50th, 75th and 99th percentile of all edits, 2014-12-18 – 2015-01-29, milliseconds

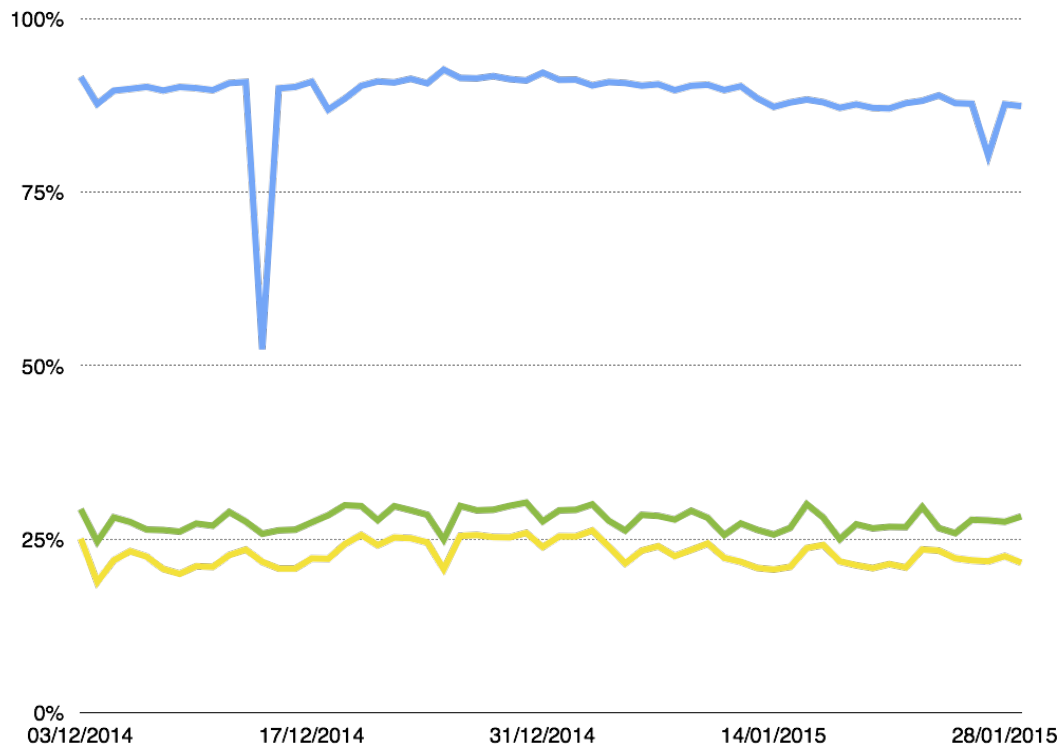
In the period, HHVM's deployment made wikitext saves faster; API deployment this month aided VE. Page save times are acceptable.

Metrics & other key accomplishments: Funnel data

Load rate
Attempted save rate
Save rate

Our basic funnel analysis raised no big issues; data is comparable to Wikia's VisualEditor experience.*

Our next step is adding funnel instrumentation to the wikitext editor.



* – Note that there are some significant inter-wiki discrepancies which we need to explore, evaluate and action.

Metrics & other key accomplishments: Wider work

We believe this period we passed our 5 millionth VisualEditor edit; we have over 80,000 successful VisualEditor edits per week.

We added several minor user-delight features, like find-and-replace, redirecting categories, TemplateData GUI and keyboard sequences.

We oversaw 13 weekly production deployments and follow-ups, and marked as fixed over 300 bugs/features in this period overall.

What's next

Background Switch focus back to shipping VisualEditor

We will get VisualEditor to be ready to be on by default ("opt-out") on the English Wikipedia and others in desktop mode, subject to community happiness, for "new users" – anonymous users and logged in users who have never edited.

[Stretch] We run a trial in which IP & new users get VisualEditor on by default for a period to demonstrate the value of the product.

Front-end standards & continuous integration work will be parked.

Planned process adjustments

Objective	Measure of success	Dependency	ETA	Status
Stability	Any identified major stability issues fixed. No regressions or data corruptions.	Parsoid	2015-MAR-31	
Performance	Improved desktop load performance by 25%. Positive user testing experimental feedback. Demonstrated impact on user behaviour.	Parsoid Services Analytics	2015-MAR-31	
Features	Existing features and UX maintained. Auto-filled cites (demo); [S] simpler (mock). [S] Improved link editing interface (mock). [S] Improved media searching (demo).	Operations	2015-FEB-28 (<i>Feature lock</i>)	
Testing	Expanded unit, regression, content testing.	–	2015-MAR-31	
Languages	[S] Fit-for-purpose special character editor. [S] IME support for top 10 (<i>etc.</i>) user IMEs.	–	2015-MAR-31	

Asks

Asks

Data analytics support to verify performance/behavioural changes (*already agreed; our thanks to the Analytics team*).

Community liaison need is high; this will spike as we engage more.

Possible adverse reaction could be mitigated by triaging and hand-coding any editing issues around the trial deployment.

Further user research to validate auto-filled reference approach.

Parsoid team resourcing is tight for our performance work needs.

Increasing need for project management support to focus product.