



Quarterly review Q3, March 2014

Agenda

- Our objectives
- Progress Q3
- Tasks Q4
- Questions and discussion

Our objectives

Deal with wikitext, so you don't have to™

1. Faithful bidirectional conversion without dirty wikitext diffs
2. Enable new applications and architectural improvements with the HTML+RDFA interface and conversion service
3. Research better templating, widget and diffing solutions

Progress Q3: Ongoing tasks

- Continuous tweaking
 - hacking away at the long tail
 - template encapsulation, foster parenting, nested links, ...
 - informed by testing, bug reports from VE usage
- Continuous deploys
 - mediawiki.org/wiki/Parsoid/Deployments

Progress Q3: Testing infrastructure

- /_rtelser/ endpoint for quick checks
- Parser Tests
 - Reduced false failures, improved selser testing (several automated edit modes + manual edits)
- Round-Trip testing
 - Full-stack testing
 - Moved to hardware (from VMs) for perf. tracking
 - Cassandra storage backend in development by FB OA students
 - OPW intern Be Birchall improved our RT test server code: handlebars templates, new diff library (which doesn't crash on large diffs), ...

Progress Q3: Images

- Images and parameters
 - basics mostly done
 - no shortage of edge cases, big mess in MW
 - initiatives to clean up image handling in the longer term
 - semantic image formats
 - square bounding boxes
 - less confusing options, better uniform styling in skin / view

Progress Q3: DOM param editing

- Parse transclusion parameters to DOM
 - originally planned for Q4
 - enables visual parameter editing
 - parse to DOM ongoing, close to merge
 - next step: editing support

Progress Q3: Public API

- <http://parsoid-lb.eqiad.wikimedia.org/>
- Internal users:
 - VisualEditor
 - Flow
 - PDF renderer
 - ContentTranslation
 - Mobile
- [Quickly found external users](#)

API users: Kiwix

Offline reader for desktop + mobile

Uses Parsoid for HTML dumps of all wikis, also some non-Wikipedia projects like Wikivoyage

The screenshot shows a mobile browser interface with a dark top bar. The page title is "United States Bill of Rights" and the browser address bar shows "Wikipedia 0.8". The main content area displays the start of the Wikipedia article, including the opening paragraph and a table of contents on the left. On the right side, there is a featured image of the original document and a metadata box with details like "Created September 25, 1789" and "Ratified December 15, 1791". The bottom of the screen shows a mobile navigation bar with icons for back, home, search, and other functions, along with a digital clock showing 17:58.

United States Bill of Rights
Wikipedia 0.8

United States Bill of Rights

The **Bill of Rights** is the name by which the first ten [amendments](#) to the [United States Constitution](#) are known.^[1] They were introduced by [James Madison](#) to the First United States Congress in 1789 as a series of articles, and came into effect on December 15, 1791, when they had been [ratified by three-fourths of the States](#). An agreement to create the Bill of Rights helped to secure ratification of the Constitution itself.^[2] [Thomas Jefferson](#) was a supporter of the Bill of Rights.^[3]

The Bill of Rights prohibits [Congress](#) from making any law respecting an [establishment of religion](#) or prohibiting the free exercise thereof, guarantees free speech, free press, free assembly and association and the right to petition government for redress, forbids infringement of "...the right of the people to keep and bear Arms...", and prohibits the federal government from depriving any person of life, [liberty](#), or [property](#), without [due process](#) of law. In federal criminal cases, it requires indictment by a grand jury for any [capital](#) or "infamous crime", guarantees a speedy, public trial with an impartial jury composed of members of the state or judicial district in which the crime occurred, and prohibits double jeopardy. In addition, the Bill of Rights states that "the enumeration in the Constitution, of certain rights, shall not be construed to deny or disparage others retained by the people,"^[4] and reserves all powers not specifically granted to the federal government to the people or the [States](#). Most of these restrictions were later applied to the states by a series of decisions applying the due process clause of the [Fourteenth Amendment](#), which was ratified in 1868, after the [American Civil War](#).

The question of including a Bill of Rights in the body of the Constitution was discussed at the [Philadelphia Convention](#) on September 12, 1787. George Mason "wished the plan [the Constitution] had been prefaced with a Bill of Rights. Elbridge Gerry of Massachusetts "concurred in the idea & moved for a Committee to prepare a Bill of Rights." Mr Sherman argued against a Bill of Rights stating that the "State Declarations of Rights are not repealed by this Constitution." Mason then stated "The Laws of the U. S. are to be paramount to State Bills of Rights." The motion was defeated with 10-Nays, 1-Absent, and No-Yeas.^[5]

Madison proposed the Bill of Rights while ideological conflict between Federalists and anti-Federalists, dating from the 1787 [Philadelphia Convention](#), threatened the final ratification of the new national Constitution. It largely responded to the Constitution's influential opponents, including prominent [Founding Fathers](#), who argued that the Constitution should not be ratified because it failed to protect the fundamental principles of human [liberty](#). The Bill was influenced by [George Mason's](#) 1776 Virginia Declaration of Rights, the 1689 [English Bill of Rights](#), works of the [Age of Enlightenment](#) pertaining to [natural rights](#), and earlier [English](#) political documents such as [Magna Carta](#) (1215).

Two other articles were proposed to the States; only the last ten articles were ratified contemporaneously. They correspond to the First through Tenth Amendments to the Constitution. The proposed first Article, dealing with the number and apportionment of [U.S. Representatives](#), never became part of the Constitution. The second Article, limiting the power of Congress to increase the salaries of its members, was ratified two centuries later as the 27th Amendment. Though they are incorporated into Madison's document known as the "Bill of Rights", neither article establishes a [right](#) as that term is used today. For that reason, and also because the term had been applied to the first ten amendments long before the 27th Amendment was ratified, the term "Bill of Rights" in modern U.S. usage means only the ten amendments ratified in 1791.

The Bill of Rights plays a key role in [American law](#) and government, and remains a vital symbol of the freedoms and [culture](#) of the nation. One of the first fourteen copies of the Bill of Rights is on public display at the National Archives in [Washington, D.C.](#)

Contents [hide]

- 1 Text of the Bill of Rights
 - 1.1 Preamble
 - 1.2 Amendments
 - 1.3 Proposed amendments not passed with Bill of Rights
- 2 Background
 - 2.1 Fourteen amendments favoring accepting the Bill of Rights

United States Bill of Rights

United States Bill of Rights

Created	September 25, 1789
Ratified	December 15, 1791
Location	National Archives
Authors	James Madison
Purpose	To set limits on what the government can and cannot do in regard to personal liberties

API users: Edit gadget (EPH)

One [[edit source](#)]

It is **requested** that an edit be made to this **fully protected** user page.

([view](#) · [edit](#) · [history](#) · [last](#) · [links](#) · [protection log](#))



This template must be followed by a **complete and specific description** of the request, so that an editor unfamiliar with the subject matter could complete the requested edit immediately.

Edit requests to fully protected pages should only be used for edits that are either **uncontroversial** or supported by [consensus](#). If the proposed edit might be controversial, discuss it on the protected page's talk page **before** using this template. To request that a page be protected or unprotected, make a [protection request](#). When the request has been completed or denied, please add the `|answered=yes` parameter to deactivate the template.

Respond

Remove request

Done

Needs RS

Unclear/X to Y

Can edit

Misplaced

This is a test

Two [[edit source](#)]

This [edit request](#) has been answered. Set the `|answered=` or `|ans=` parameter to **no** to reactivate your request.

Level: Fully protected

Page to be edited:

Answered:

Response:

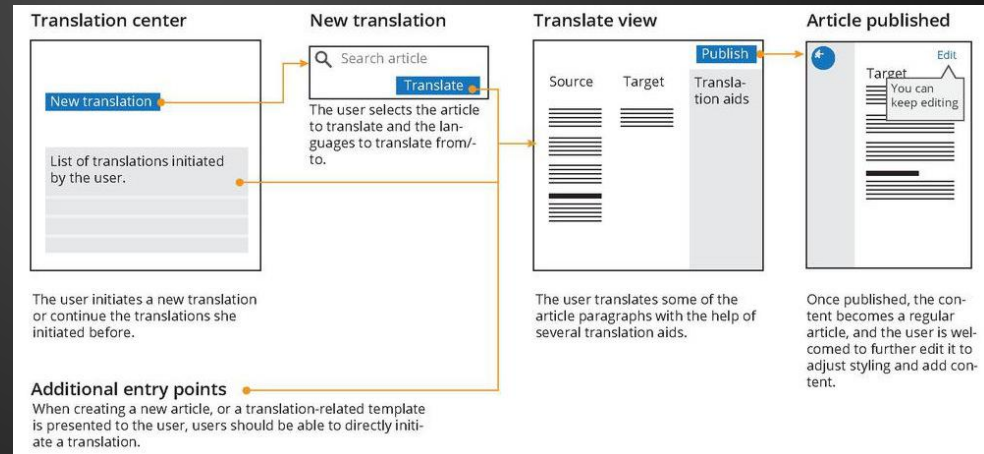


(No template response)

Submit

API users: Translation gadget

- Translation gadget Czech <-> Slovak
 - presents machine-translated wikitext to user for copyediting
 - will be generalized by Content translation project



- Google Knowledge Graph

Progress Q3: Services

- Rashomon revision storage
 - Part of larger move to SOA (service-oriented architecture)
 - RFC found lots of support at architecture summit
 - make new developers more effective
 - avoid duplication of effort
 - enable independent innovation
 - security, monitoring, scaling, testing
 - Will be pushed further along by service team
 - Not yet in production, but close
- Debian packaging
 - make it easy to install collection of services

Progress Q3: HTML templating

- Originally Q4 research project
- Developed DOM-based library for UI and i18n messages (KnockOff / TAssembly)
 - secure and convenient, yet very fast
- Prototype platform for high-performance content templating
- Cooperation with Flow & Mobile

Progress Q3: Structured Logging

- OPW project: Maria Pacana
 - Generic logging framework
 - App (Parsoid) generates logging events
 - Event stream filtered and dispatched to interested subscribers
 - Structured log format
 - production errors
 - performance metrics
 - wikitext fixup information (GSoC '14 proposal)
 - Also useful for development:
 - tracing wikitext parsing actions, debugging, ...
 - No more `console.warn`, `console.error`!

Deferred tasks

- Research: Support switching between HTML and Wikitext within one edit
 - hard / low prio in VE
- Language variant support
 - Basic editing support deferred to Q4
 - full support questionable
- Enforce proper nesting of transclusions
 - blocked on TemplateData and usage statistics
 - GSoC '14 proposal (Lintoid/LintTrap) will collect statistics
 - probably not before Q1 next fiscal

Tasks Q4

- Get ready for using Parsoid HTML for all page views
 - actually using it stretch goal for Q4/Q1
 - in collaboration with VE, Flow, Mobile, Platform
 - needs metadata storage service / API
 - Rashomon in production
 - will be taken over by new services team (Q1)
 - requires automated testing to compare PHP parser view and Parsoid views
- Basic language variant support
 - think about longer-term strategy for variant wikis at some point

Tasks Q4

- HTML templating
 - support other teams in UI projects
 - continue integration with i18n
 - research conversion of i18n messages to HTML templates using Parsoid
 - research use for content
- Content widgets
 - research canned widget solutions for specific tasks (alternative to wikitext hacks)
 - data tables
 - infoboxes

Stretch goals Q4

- Performance: More efficient template updates
 - lower priority than HTML storage
 - possible stretch goal for Q4
- Research: Support switching between HTML and Wikitext within one edit
 - hard / low prio in VE

Stretch goals Q4

- Non-Wikipedia projects
 - Parsoid enabled on all public WMF projects
 - biggest issue for editing seems to be labeled section transclusion (primarily Wikisource)
 - potential to fix complexity issues in projects like Wiktionary
 - no time spent on this so far

Thank you!

<https://www.mediawiki.org/wiki/Parsoid>