This Year in Org 🦄

A development roundup, and hints of what lies around the corner

Timothy
2022-12-04
Outline

Project housekeeping

New features

Quality of life improvements

A flourishing ecosystem

Things to look forward to
Project housekeeping
• Gogs is gone (https://code.orgmode.org)
• Savannah is the new code home, right next to Emacs
• Mirror on SourceHut (https://git.sr.ht/~bzg/org-mode), along with:
  • The website (https://git.sr.ht/~bzg/orgweb)
  • Worg (https://git.sr.ht/~bzg/worg)
  • Org contrib (https://git.sr.ht/~bzg/org-contrib)
• Tests are now regularly run (https://git.sr.ht/~bzg/org-mode-tests/)
Historically, Bastien’s personal GitHub sponsors has been the primary means of financially supporting Org mode.

Earlier this year, Bastien created a LibrePay Org mode team account.

Current members:

- Bastien (bgz)
- Ihor (yantar92)
- me, Timothy (tecosaur)

https://liberapay.com/org-mode/
New features
An assortment of export improvements

- Including remote documents with `#+include: https://...`
- More \LaTeX\ attributes for various objects (quote, verse, tables)
- Support for DOI links
- Math support in `ox-texinfo`, and other additions
- Publishing links to encrypted Org files
- Upgrade to Mathjax 3
- *and more...*
A collection of babel improvements

- ASCII graphs with `ob-plantuml`
- New syntax for passing raw code as an argument
- New noweb argument `:noweb-prefix`
- Improved `:return` capabilities with `ob-python`
- Ability to pass content of a src block as a `:var` value
- and more...
A multitude of general org-mode improvements

- Improved refiling
- Capture template hooks
- Image preview sizing
- More clocktable settings
- Agenda tweaks
- Custom lint rules
- *and more...*
Quality of life improvements
Org fold

- Generalisation of “folding content”
- Supports both overlay and text-property based folding
- Provides substantial improvements on large files
Org element cache

- Refactoring of many org-element functions to accept cache information
- A huge amount of work on managing cache invalidation
- Speed boots sprinkled all around org-element
- org-element-cache-map for anybody wanting to quickly map over Org elements
Org persist

- Persist values across Emacs sessions
- Used for downloaded files in exports
- Used with `org-element-cache` data
More careful resource downloading

An org-mode document would like to download
https://orgmode.org/resources/img/org-mode-unicorn.svg, which is not considered safe.

Do you want to download this? You can type
! to download this resource, and permanently mark it as safe.
d to download this resource, and mark the domain (https://orgmode.org) as safe.
f to download this resource, and permanently mark all resources in
/home/tec/Documents/2022/11-Nov/ThisYearInOrg/presentation.org as safe.
y to download this resource, just this once.
n to skip this resource.
Bug fixes
Asyncronous session evaluation execution

- Introduction of an :async header
- Required enhancements to ob-comint.el
- Support for async evaluation with a session in ob-python and ob-R at the moment
- More languages to come?
Nicer tangle mode syntax

Before

- :tangle-mode (identity #o755)

New forms

- :tangle-mode o755
- :tangle-mode rwxrw-rw-
- :tangle-mode u+x

(see org-babel-tangle-default-file-mode)
A flourishing ecosystem
An online, open source zettelkasten/PKB.

logseq.com | github:logseq/logseq
Org-roam

A zettelkasten built directly on top of Org, within Emacs.

orgroam.com | github:org-roam/org-roam
Another lovely Minad package

github:minad/org-modern
Possibly the most active “Org outside Emacs” effort.

github:nvim-orgmode/orgmode
New parsers

**Org.jl**
github:tecosaur/Org.jl

**Org hs**
github:locasvreis/org-hs

**Tree sitter**
github:milisims/tree-sitter-org
Things to look forward to
Continuing work on *Org the format*

- The *Org syntax document* has been completely rewritten
- With continued growth in parsers and tools, it’s important to prevent implementation drift
- Submission to the IETF?
Mailing list management

Upcoming changes

Replace Org's C-TAB with C-M-TAB - objection? (9012c287)

Confirmed bugs

<table>
<thead>
<tr>
<th>Summary</th>
<th>Date</th>
<th>Refs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bug: org-indent-region doesn't restore cursor position when org-src-tab-acts-natively is t [9.1.5]</td>
<td>2020-09-04 10:09</td>
<td>8</td>
</tr>
<tr>
<td>eldoc recursion error</td>
<td>2020-09-11 04:09</td>
<td>7</td>
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<tr>
<td>Adaptive Org faces in headings?</td>
<td>2020-09-09 08:09</td>
<td>6</td>
</tr>
<tr>
<td>variable-pitch-mode misaligns org-mode heading tags</td>
<td>2020-09-09 08:09</td>
<td>4</td>
</tr>
<tr>
<td>Bug: Babel+R handles spaces wrongly in tables [9.3.6]</td>
<td>2020-09-09 04:09</td>
<td>4</td>
</tr>
<tr>
<td>tags-to-do agenda should not ignore DONE items</td>
<td>2020-09-06 07:09</td>
<td>4</td>
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<tr>
<td>Statistic cookies for headings and list items</td>
<td>2020-06-01 13:06</td>
<td>3</td>
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<tr>
<td>Delay all occurrences for a heading scheduled with repeater not work.</td>
<td>2020-09-10 12:09</td>
<td>2</td>
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<tr>
<td>Bug: org-html-export-to-html doesn't handle .org files properly [9.3.6]</td>
<td>2020-06-02 12:06</td>
<td>2</td>
</tr>
<tr>
<td>Bug: Org bold emphasis gobbles leading stars on next headline [9.3.7]</td>
<td>2020-09-06 07:09</td>
<td>2</td>
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<tr>
<td>Bug: Appointments duration and effort sums in agenda column view [9.3.7]</td>
<td>2020-09-07 05:09</td>
<td>2</td>
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<tr>
<td>Bug: Fontification: Heading following a comment</td>
<td>2020-09-04 10:09</td>
<td>1</td>
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<tr>
<td>Bug: Repeating tasks no longer appearing on future dates in the agenda [9.3.6]</td>
<td>2020-02-29 02:02</td>
<td>1</td>
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</tbody>
</table>

Help requested

No help has been requested so far.
Further engraving

- **engrave-faces** has been recently integrated with LATEX export
  - Think htmlize, but generalised to export code fontification to many formats
- It *currently* contains the functionality needed to apply to HTML and ASCII exports too
- It has the foundations to provide syntax highlighting for other formats too, e.g. ODT
This Month in Org (TMiO) has been greatly impeded but an evaporation of free time.

It’s not gone! However the title may continue to be more aspirational than descriptive.
End

That's all Folks!